Favero® ELECTRONIC DESIGN

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ELECTRONICS FOR SPORT

Product catalog

Prices not including VAT

10 Dec 2014

How to search for a product:

1. Look in the first part of the catalog to identify the model of the product you're interested in.

2. In the second part of the catalog you'll find the brochures for all of the models, arranged alphabetically by the model name.

Categories available:

.Multisport Scoreboards
Basketball
Billiard
Boxing
Darts
Fencing
Football/Soccer - Futsal
Gymnastics
Handball
Hockey
Martial Arts
Pétanque - Bocce
Rugby
Table tennis
Tennis
Volleyball
Water polo
[...Other sports]
Acceptors/Timers
Cybercafes
Games with award
NEWS
Timer displays
[...Spare parts]
[..Obsolete products]
[In costruzione]

.Multisport Scoreboards > Indoor Multisport scoreboards (list of models)

Multisport scoreboards without chronometer

Electronic scoreboard, PLAY20

(art. 320) Size: 85x38x11cm.

– **SCORES:** from 0 to 99.
One-side display.Wall fastening.

SUGGESTED SPORTS
Volleyball
Bowls, Bocce, Pétanque
Table tennis
Squash
Badminton

Electronic scoreboard, PLAY20d

(art. 322) Size: 85x27x9cm.

– **SCORES:** from 0 to 99.
Two-side display. Ceiling fastening.

SUGGESTED SPORTS
Volleyball
Bowls, Bocce, Pétanque
Table tennis
Squash
Badminton

Volleyball scoreboard, PLAY20-V

(art. 344) Size: 85x38x11cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS:** from 0 to 3 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.

SUGGESTED SPORTS
Volleyball
Table tennis
Squash
Badminton

Volleyball scoreboard, PLAY30-V

(art. 345) Size: 85x38x11cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.

SUGGESTED SPORTS
Volleyball
Table tennis
Squash
Badminton

Electronic scoreboard, PLAY14

(art. 310) Size: 1pz 75x59x10cm + 1pz 22x12x1,7cm.

Large scoreboard for carambol, snooker, pool, darts.

SUGGESTED SPORTS
Billiards
Pool table
Carom
Snooker
Darts

Multisport scoreboards with chronometer

FIGHT TIMER, Gym/Round Timer

(art. 150) Size: 56x19x4cm.

Ideal for sporting activities and gymnasiums (competitions, training, fitness sessions) where the sequences of action-pause are of a fixed duration. This timer is also useful for managing times for speakers.

SUGGESTED SPORTS
Martial Arts
Boxing
Gymnastics
Indoor cycling
Aerobics
ect.

PS-M,Multisport Scoreboard

(art. 160) Size: 55x35x9,5cm.

Multisport Portable electronic scoreboard

– **SCORES:** from 0 to 199 each side.
– **FOULS/SETS/OTHER:** from 0 to 9 each side.
– **POSSESSION/ROUND:** 1 bright point per team.
– **PERIODS:** from 0 to 9.
– **TIMEOUT:** 4 bright points per team.
– **CHRONOMETER:** up to 99 min. and 59sec.

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Taekwondo
ect.

Multisport scoreboard FC50H15

(art. 3045015) Size: 91x60x9.5cm.

NEW ! NEW ! NEW ! NEW !

Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.).
Digit height: 15cm. Readability distance: 50m.
WIRELESS OR WIRED COMMUNICATION.
RESISTANT TO DAMAGE FROM BALLS (DIN 18032-3, UNI 9554 standards).

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Tennis
ect.

Scoreboard, PLAY20-C

(art. 350) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS:** from 0 to 3 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

Scoreboard, PLAY30-C

(art. 351) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

Basketball scoreboard, PLAY40

(art. 355) Size: 150x98x7cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.
– **PERIODS:** from 0 to 9.

S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

.Multisport Scoreboards > FS-series Maxi Indoor Multisport Scoreboards (list of models)

FS-series Multisport Scoreboards

Electronic Scoreboards FS-100, FS-100N

(art. 236) Size: 200x120x9cm.

Digits 30cm high - Protected against the shots of ball
art.236: FS-100 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.236N: FS-100N - With team-names words programmable
SCORES [0-99], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TIMEOUT** [3]

S U G G E S T E D SPORTS
Handball
Water polo
Hockey
Tennis
ect.

Electronic Scoreboards FS-110, FS-110N

(art. 238) Size: 200x120x9cm.

Digits 30cm high - Protected against the shots of ball
art.238: FS-110 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.238N: FS-110N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TIMEOUT** [3],
POSSESSION/SERVICE [arrows], **BONUS** [1]

S U G G E S T E D SPORTS
Basketball
Volleyball
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Electronic Scoreboards FS-120, FS-120N - FIBA

(art. 240) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.240: FS-120 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.240N: FS-120N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]

S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Basketball Scoreboards FS-130, FS-130N - FIBA

(art. 242) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.242: FS-130 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.242N: FS-130N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]
LAST PLAYER FOUL [player number, foul number]

S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Penalty time display panels

FS-140 Scoreboard

(art. 244) Size: 200x100x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 2 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

S U G G E S T E D SPORTS
Five-a-side, Futsal
Handball
Water polo
Hockey
ect.

FS-150 Scoreboard

(art. 246) Size: 200x140x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 3 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

SUGGESTED SPORTS
Handball
Water polo
Hockey
ect.

Set scores scoreboards

FS-160 Scoreboard

(art. 248) Size: 200x60x9cm.

Digits 15cm high - Protected against the shots of ball
SCORES 4 SETS [0-99]

SUGGESTED SPORTS
Volleyball
Tennis
Beach volley

FS-series Multisport Scoreboards

Console-700

(art. 308-01) Size: 24.5x17x8.5cm.

Control console for FC, FS, FW, FOS, TM series scoreboards.
7" color touchscreen display, for the easy management of many different sports.
Wireless or wired communication.
14-hour average life internal battery.
Sturdy, impact proof case.

SUGGESTED SPORTS
Multi-sport

Control console for FS-series 24- and 30-second shot clock panels

FS-24s-CONSOLE

(art. 233-10) Size: 28,3x10x6,8cm.

Control console for FS-series 24- and 30-second shot clock panels.
The FS-24s-CONSOLE is used only if the Console-700 (art.308-01) is not at one's disposal.

SUGGESTED SPORTS
Basketball
Water polo

.Multisport Scoreboards > Statistics scoreboards-panels for player fouls (list of models)

Statistics scoreboards-panels for Player no., Fouls and Points of 12 players (side displays)

Scoreboards, FS-412A

(art. 260A) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball, showing the Player No. and Fouls/Penalties of 12 players on the 2 teams. Players numbers are fixed, from 4 to 15.

Digits 13cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball

FS-412B FIBA approved statistics panels

(art. 260B) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball and Volleyball, showing the Player No. and Fouls/Penalties of 12 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal

FS-412C FIBA approved statistics panels

(art. 260C) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball and Volleyball, showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal

FS-412D FIBA approved statistics panels

(art. 260D) Size: 2x 80x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Player Number and Fouls/Penalties of 12 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
ect.

FS-412E FIBA approved statistics panels

(art. 260E) Size: 2x 80x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
ect.

FS-412F FIBA approved panels

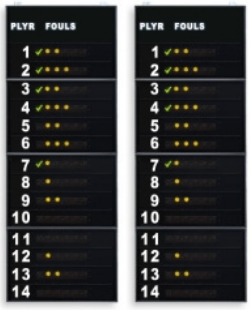
(art. 260F) Size: 2x 145x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Playername of 12 players on the 2 teams.

12 Characters, 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
ect.

Statistics scoreboards-panels for Player no., Fouls and Points of 14 players (side displays)



Scoreboards, FS-414A

(art. 262A) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) for Waterpolo, showing the Player No. and Fouls/Penalties of 14 players on the 2 teams. Numbers caps are fixed, from 1 to 14.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Water polo

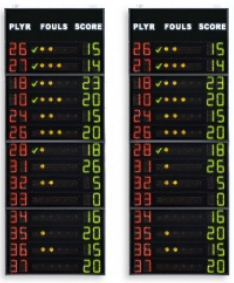
FS-414B FIBA approved statistics panels

(art. 262B) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
ect.



FS-414C FIBA approved statistics panels

(art. 262C) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414D FIBA approved statistics panels

(art. 262D) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414E FIBA approved statistics panels

(art. 262E) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414F FIBA approved statistics panels

(art. 262F) Size: 2x 145x300x11,5cm.

Pair of statistics panels (side displays) showing the name of 14 players on the 2 teams.

12 Characters, 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

.Multisport Scoreboards > OUTDOOR scoreboards (list of models)

OUTDOOR scoreboards for Soccer, Five-a-side -- Futsal, Hockey, Rugby

Scoreboard, FOS-16

(art. 300-16) Size: 314,5x59X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-9], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer

Scoreboard, FOS-18

(art. 300-18) Size: 388,5X59X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-99], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Volleyball
Five-a-side, Futsal
Football - Soccer
Hockey
Rugby
Beach volley

Scoreboard, FOS-26

(art. 300-26) Size: 166,5X118X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-9], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer

Scoreboard, FOS-29

(art. 300-29) Size: 259X118X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-99], **CHRONOMETER** [99:59], **PERIOD/SET** [0-9]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Volleyball
Five-a-side, Futsal
Football - Soccer
Hockey
Rugby
Beach volley

Scoreboard, FOS-36

(art. 300-36) Size: 333x99x15cm.

- Resistant to damage from balls.
- Digits 45cm high. Character size of Team Names: 25cm.
- Programmable **TEAM NAMES**.
- **SCORES** [0-9], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer

Scoreboard, FOS-39

(art. 300-39) Size: 333X158X15cm.

- Resistant to damage from balls.
- Digits 45cm high. Character size of Team Names: 25cm.
- Programmable **TEAM NAMES**.
- **SCORES** [0-99], **CHRONOMETER** [99:59], **PERIOD/SET** [0-9]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Volleyball
Five-a-side, Futsal
Football - Soccer
Hockey
Rugby
Beach volley

Control Console

Console-700

(art. 308-01) Size: 24.5x17x8.5cm.

Control console for FC, FS, FW, FOS, TM series scoreboards.
7" color touchscreen display, for the easy management of many different sports.
Wireless or wired communication.
14-hour average life internal battery.
Sturdy, impact proof case.

SUGGESTED SPORTS
Multi-sport

.Multisport Scoreboards > Accessories for electronic scoreboards
(list of models)

Accessories for electronic scoreboards

Console-700

(art. 308-01) Size: 24.5x17x8.5cm.

Control console for FC, FS, FW, FOS, TM series scoreboards.
7" color touchscreen display, for the easy management of many different sports.
Wireless or wired communication.
14-hour average life internal battery.
Sturdy, impact proof case.

SUGGESTED SPORTS
Multi-sport

Case-700

(art. 308-10) Size: 40x30x13.5cm.

Carrying Case for Console-700.

SUGGESTED SPORTS

Console-300

(art. 307-01) Size: 28.5x10.5x8cm.

Control console for FC, FS, FW, FOS, TM series scoreboards.
2x20 LCD display and membrane keyboard.
Ideal for managing many different sports. Wired communication.
Reasonable price.

SUGGESTED SPORTS
Multi-sport

Time-Console-03

(art. 232-03) Size: 12x8.2x2.5cm.

Additional console for managing the chronometer or the shot clock (24/14/30 seconds).
To be used together with Console-700 or Console-300.

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal
Water polo
ect.

Basketball > Basketball Scoreboards **(list of models)**

Basketball Scoreboards

PS-M,Multisport Scoreboard

(art. 160) Size: 55x35x9,5cm.

Multisport Portable electronic scoreboard

– **SCORES:** from 0 to 199 each side.
– **FOULS/SETS/OTHER:** from 0 to 9 each side.
– **POSSESSION/ROUND:** 1 bright point per team.
– **PERIODS:** from 0 to 9.
– **TIMEOUT:** 4 bright points per team.
– **CHRONOMETER:** up to 99 min. and 59sec.

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Taekwondo
ect.

Multisport scoreboard FC50H15

(art. 3045015) Size: 91x60x9.5cm.

NEW ! NEW ! NEW ! NEW !

Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.).
Digit height: 15cm. Readability distance: 50m.

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Tennis

WIRELESS OR WIRED COMMUNICATION.
RESISTANT TO DAMAGE FROM BALLS (DIN 18032-3, UNI 9554 standards).

ect.

Scoreboard, PLAY20-C

(art. 350) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS:** from 0 to 3 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

Scoreboard, PLAY30-C

(art. 351) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

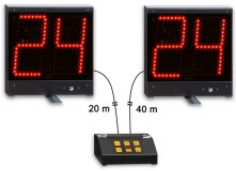
S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

Basketball scoreboard, PLAY40

(art. 355) Size: 150x98x7cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.
– **PERIODS:** from 0 to 9.

S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.



Basketball shot-clock, KIT24s

(art. 270) Size: 2pz 29,2x30,4x4,4cm +1pz 20x8x12,5cm.

- To visualise the time allowed to shot and time-out in basketball.
- Possibility of modifying attack possession time and time-out from 1 to 99 seconds.

S U G G E S T E D SPORTS
Basketball
Five-a-side, Futsal

Alternating possession arrow

(art. 255) Size: 56x23.5x9cm.

Alternating possession arrow for basketball

S U G G E S T E D SPORTS
Basketball

Basketball > Basketball Scoreboards (Maxi) - Statistics Scoreboards/Panels (list of models)

FIBA approved Basketball Scoreboards

Electronic Scoreboards FS-120, FS-120N - FIBA

(art. 240) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.240: FS-120 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.240N: FS-120N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]

S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Basketball Scoreboards FS-130, FS-130N - FIBA

(art. 242) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.242: FS-130 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.242N: FS-130N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]
LAST PLAYER FOUL [player number, foul number]

S U G G E S T E D SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Statistics panels for Player no., Fouls and Points of 12 players (side displays)

Scoreboards, FS-412A

(art. 260A) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball, showing the Player No. and Fouls/Penalties of 12 players on the 2 teams. Players numbers are fixed, from 4 to 15.

Digits 13cm high - Protected against the shots of ball

S U G G E S T E D SPORTS
Basketball

FS-412B FIBA approved statistics panels

(art. 260B) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball and Volleyball, showing the Player No. and Fouls/Penalties of 12 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal

FS-412C FIBA approved statistics panels

(art. 260C) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball and Volleyball, showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal

FS-412D FIBA approved statistics panels

(art. 260D) Size: 2x 80x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Player Number and Fouls/Penalties of 12 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
ect.

FS-412E FIBA approved statistics panels

(art. 260E) Size: 2x 80x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
ect.

FS-412F FIBA approved panels

(art. 260F) Size: 2x 145x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Playername of 12 players on the 2 teams.

12 Characters, 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
ect.

FIBA approved statistics panels for Player no., Fouls and Points of 14 players (side displays)

FS-414B FIBA approved statistics panels

(art. 262B) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414C FIBA approved statistics panels

(art. 262C) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414D FIBA approved statistics panels

(art. 262D) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414E FIBA approved statistics panels

(art. 262E) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414F FIBA approved statistics panels

(art. 262F) Size: 2x 145x300x11,5cm.

Pair of statistics panels (side displays) showing the name of 14 players on the 2 teams.

12 Characters, 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

24 second Shot Clock Panels for Basketball

Basketball shot-clock, FS-24s-H20

(art. 257) Size: 41x29x8,5cm.

24 second shot clock.

Digits 20cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal
Water polo

FS-24s-1, FIBA approved Basketball shot-clock

(art. 258-1) Size: 70,5x60x11,5cm.

24 second shot clock and game time. 1 side.

Digits 30cm and 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal
Water polo

FS-24s-3, FIBA approved Basketball shot-clock

(art. 258-3) Size: 74x65xH60cm.

24 second shot clock and game time. 3 sided.

Digits 30cm and 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal

FS-24s-4, FIBA approved Basketball shot-clock

(art. 258-4) Size: 75x75xH60cm.

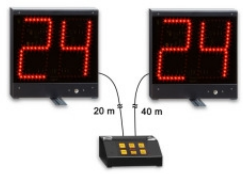
24 second shot clock and game time. 4 sided.

Digits 30cm and 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal

Basketball > Basketball 24 second shot clock timer - Perimeter Lights (list of models)

24 second Shot Clock Panels for Basketball



Basketball shot-clock, KIT24s

(art. 270) Size: 2pz 29,2x30,4x4,4cm +1pz 20x8x12,5cm.

- To visualise the time allowed to shot and time-out in basketball.
- Possibility of modifying attack possession time and time-out from 1 to 99 seconds.

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal

FS-series 24 second Shot Clock Panels for Basketball

Basketball shot-clock, FS-24s-H20

(art. 257) Size: 41x29x8,5cm.

24 second shot clock.

Digits 20cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal
Water polo

FS-24s-1, FIBA approved Basketball shot-clock

(art. 258-1) Size: 70,5x60x11,5cm.

24 second shot clock and game time. 1 side.

Digits 30cm and 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal
Water polo

FS-24s-3, FIBA approved Basketball shot-clock

(art. 258-3) Size: 74x65xH60cm.

24 second shot clock and game time. 3 sided.

Digits 30cm and 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal

FS-24s-4, FIBA approved Basketball shot-clock

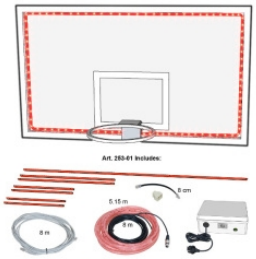
(art. 258-4) Size: 75x75xH60cm.

24 second shot clock and game time. 4 sided.

Digits 30cm and 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Five-a-side, Futsal

Perimeter Lights for Basketball Backboards - End of Period Lights



Perimeter Light

(art. 253-01) Size: LEDstrip=515cm , BOX=19x14x7cm.

Perimeter Light for Basketball Backboard and Control Unit.
Available in 3 versions.

SUGGESTED SPORTS
Basketball

Billiard > Time charging systems (list of models)

Single clock for hourly rate for billiards

TIMER 3B..22B

(art. 516) Size: 26x26x19cm.

The ideal solution for the management of all billiards games operating at an hourly rate.

SUGGESTED SPORTS
Billiards
Pool table
Carom
Russian pyramid
Snooker
ect.

LCD20

(art. 120) Size: 18,6x10,6x7,2cm.

The solution for charging time

SUGGESTED SPORTS
Billiards
Bowls, Bocce, Pétanque
Darts
Tennis
Table tennis
ect.

LCD-BOX

(art. 126) Size: 18,6x15,5x8,3cm.

Remotely controls a box containing the balls for the billiard game.

SUGGESTED SPORTS
Billiards

Multiple clock for hourly rate for billiards

MICRO8

(art. 708) Size: 21,3x12,3x5,6cm.

Designed mainly for running time controlled billiards, but can also be used wherever time is used for billing the user.

SUGGESTED SPORTS
Billiards
Bowls, Bocce, Pétanque
Darts
Tennis
Table tennis

MICRO32

(art. 700) Size: 37x11x16cm.

Studied and developed for the managing of billiard parlours and for all cases in which one wishes to charge for the time used on a given unit.

SUGGESTED SPORTS
Billiards
Bowls, Bocce, Pétanque
Darts
Table tennis
Playing cards
ect.

Options for MICRO8 and MICRO32

Printer

(art. 710) Size: 17x12x10,5cm.

Options for Micro32 and Micro8-P
Prints on forty (40) columns. Useful for printing the ticket, the totalizers and the settings.

SUGGESTED SPORTS
Billiards
Bowls, Bocce, Pétanque
ect.

CONTROL-LAMP-4/8/16

(art. 740) Size: 24,5x19,7x9,5cm.

Options for Micro32 and Micro8-P
It is designed for controlling the activation of lamps or other electrical appliances. Three models available: for 4, 8 and for 16 lamps.

SUGGESTED SPORTS
Billiards
Playing cards
ect.

CONTROL-BALL and Balls BOXES

(art. 416) Size: 26x26xH11,2+7,8cm.

SUGGESTED SPORTS
Billiards
Pool table
Carom
Russian pyramid
Snooker
Table tennis
ect.

CONTROL CARDS 8-16

(art. 733) Size: 36,5x15x10,7cm.

CONTROL-CARDS-8 : For the control of 8 packs of playing cards.
CONTROL-CARDS-16 : For the control of 16 packs of playing cards.

SUGGESTED SPORTS
Playing cards

PC-Interface

(art. 745-04) Size: 16x12x7,7cm.

S U G G E S T E D SPORTS
Billiards
Playing cards

Time charging systems by coins or tokens

Coin-Timer 3B,4B,9B,16B,..

(art. 216) Size: 26x47x26cm.

Coins or token Timer for billiard: control not only the electrical load (lights) but also the presence of the balls.

S U G G E S T E D SPORTS
Billiards
Pool table
Carom
Russian pyramid
Snooker
ect.

Coin operated billiard systems

P.C.C. 01 Pool Coin Control

(art. 660) Size: 12x7,5x7cm.

For Pool tables with motorized ball outlet mechanism. Choose the number of games or the length of time you wish to play.

S U G G E S T E D SPORTS
Pool table

Billiard > Electronic scoreboards (list of models)

Electronic scoreboards for the billiards games

Electronic scoreboard, PLAY6

(art. 360) Size: 56x19x4cm.

Electronic scoreboards. Wall mounting is simple, solid and immediate using 2 front screws.

S U G G E S T E D SPORTS
Billiards
Pool table
Snooker
Italian 5-birilli
Table tennis

Scoreboard, PLAY8

(art. 380) Size: 56x19x4cm.

It has a 25 mm high yellow centre display which is very useful during carambole for showing the number of innings, or in other games for showing other things (snooker frames, games, penalties, etc.).

S U G G E S T E D SPORTS
Billiards
Pool table
Carom
Snooker
Italian 5-birilli

PLAY6T

(art. 362) Size: 56x19x4cm.

It has a 25 mm high yellow centre display for displaying the chronometer and is used when the players have to respect time limits on the game. It shows how much time the player has left for the shot or for pre-match warming up.

S U G G E S T E D SPORTS
Billiards

Electronic scoreboard, PLAY14

(art. 310) Size: 1pz 75x59x10cm + 1pz 22x12x1,7cm.

Large scoreboard for carambol, snooker, pool, darts.

S U G G E S T E D SPORTS
Billiards
Pool table
Carom
Snooker
Darts

Billiard > Electronic Thermostat (list of models)

Electronic thermostat for billiards tables

TERMODELTA

(art. 650) Size: 16x6x6,5cm.

Thermostat for dehumidifying billiards.

S U G G E S T E D SPORTS
Billiards

Boxing > Boxing scoreboards - Round Timer (list of models)

Electronic scoreboards for boxing - Round Timer

FIGHT TIMER, Gym/Round Timer

(art. 150) Size: 56x19x4cm.

Ideal for sporting activities and gymnasiums (competitions, training, fitness sessions) where the sequences of action-pause are of a fixed duration. This timer is also useful for managing times for speakers.

SUGGESTED SPORTS
Boxing
Martial Arts
Gymnastics
Indoor cycling
Aerobics
ect.

INOUT Display/1 - Substitute Board

(art. 291) Size: 44x41x10cm.

SOCCER/ Five-aside:
1) Display for numbers of players entering the field in or out.
2) Display for the final recovery time.
CYCLING:
Display the ranking position or missing laps.
BOXING:
Display the rounds' number.

SUGGESTED SPORTS
Boxing
Five-a-side, Futsal
Football - Soccer
Cycling

Darts > Electronic scoreboards (list of models)

Electronic scoreboards for darts game

Electronic scoreboard, GAME ON

(art. 390) Size: 56x19x4cm.

Special darts scoreboard.

SUGGESTED SPORTS
Darts

Electronic scoreboard, GAME SHOT

(art. 391) Size: 21,3x12,3x5,6cm.

Small darts scorer.

SUGGESTED SPORTS
Darts

Electronic scoreboard, PLAY14

(art. 310) Size: 1pz 75x59x10cm + 1pz 22x12x1,7cm.

Large scoreboard for carambol, snooker, pool, darts.

SUGGESTED SPORTS
Darts
Billiards
Pool table
Carom
Snooker

Darts > Time accounting systems (list of models)

Single clock for hourly rate for darts game

LCD20

(art. 120) Size: 18,6x10,6x7,2cm.

The solution for charging time

SUGGESTED SPORTS
Darts
Billiards
Bowls, Bocce, Pétanque
Tennis
Table tennis
ect.

Multiple clock for hourly rate for darts game

MICRO8

(art. 708) Size: 21,3x12,3x5,6cm.

Designed mainly for running time controlled billiards, but can also be used wherever time is used for billing the user.

SUGGESTED SPORTS
Darts
Billiards
Bowls, Bocce, Pétanque
Tennis
Table tennis

MICRO32

(art. 700) Size: 37x11x16cm.

Studied and developed for the managing of billiard parlours and for all cases in which one wishes to charge for the time used on a given unit.

SUGGESTED SPORTS
Darts
Billiards
Bowls, Bocce, Pétanque
Table tennis
Playing cards
ect.

Time accounting systems by coins or tokens for darts game

COIN TIMER

(art. 200) Size: 21,5x35,5x21,5cm.

TIMER FOR COINS. For controlling an electrical load.

For the time operating of: videogames, lights for tennis courts, internet terminals, electronic scoreboards for darts, showers, aspirators, solariums, etc. ...

SUGGESTED SPORTS

Fencing > Signalling apparatuses / Fencing scoring equipment (list of models)

Wireless fencing apparatuses / Wireless fencing scoring equipment

WF1 Wireless fencing apparatus

(art. 897-01) Size: 26.5x21x7cm.

Wireless apparatus for signalling hits in fencing, suitable for epee and foil training.

SUGGESTED SPORTS
Fencing
Foil
Épée

Electronic device to testing the fencing weapons and body-cords

TESTER-A2

(art. 899-02) Size: 21,0x12,0x14,0cm.

Portable professional electronic Tester, with **rechargeable battery**, for measuring **contact and dispersion resistance** and for signaling possible **micro-breaks** in **weapons** (foil, epee, sabre) and in **fencing equipment** (bodycords, reels, conductive jackets and t-shirts, cables, etc.). With **OLED graphic display** for visualizing measured values.

SUGGESTED SPORTS
Fencing
Foil
Épée
Sabre

TESTER-A1

(art. 898-1) Size: 3,8x5,5x2,9cm.

Miniaturized electronic tester, with battery, to control the body-cords contacts and micro-breaking, for the three fencing weapons.

SUGGESTED SPORTS
Fencing
Foil
Épée
Sabre

Electronic fencing target

Electronic Fencing Target, EFT-1

(art. 970) Size: 63x46x5cm.

Electronic target for fencing training.
A great teaching aid for fencing masters, who can program multiple types of exercises by setting various parameters for each exercise depending on the abilities and needs of their students.
A must-have for all fencing halls.

SUGGESTED SPORTS
Fencing

F.I.E. electronic signalling units and recording apparatures for fencing 3 weapons

FULL-ARM-01/T

(art. 824) Size: 56x23,5x9cm.

Recording machine F.I.E. certified, to control the three fencing weapons.
Table version.

SUGGESTED SPORTS
Fencing
Foil
Épée
Sabre

FULL-ARM-01/W

(art. 825) Size: 56x19x4cm.

Recording machine F.I.E. certified, to control the three fencing weapons.
Wall version.

SUGGESTED SPORTS
Fencing
Foil
Épée
Sabre

FULL-ARM-05

(art. 831) Size: 56x23,5x9cm.

Recording machine F.I.E. certified, to control the three fencing weapons.

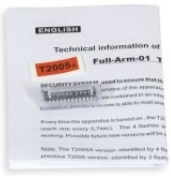
SUGGESTED SPORTS
Fencing
Foil
Épée
Sabre

FA-07

(art. 940) Size: 60x40x13,5cm.

Multifunctional fencing apparatus complete with remote control, power supply unit, and carrying case. Suitable for highest level F.I.E. competitions, but convenient for all fencing clubs due to its reasonable price. Equipped with Ethernet port for the on-line management of competitions.

SUGGESTED SPORTS
Fencing
Foil
Épée
Sabre



Products update

(art. 824-05A)

SUGGESTED SPORTS
Fencing

Electronic repeaters of the signalling lights for fencing

LIGHTS Repeater

(art. 894-A) Size: 56x19x4cm.

Electronic repeater at distance of the FULL-ARM-01 and FULL-ARM-05 signalling lights, for the three fencing weapons.

SUGGESTED SPORTS
Fencing

FULL-ARM-05 Repeater

(art. 832) Size: 56x23,5x9cm.

Electronic repeater at distance of **all the information** provided by FULL-ARMM-05, for the three fencing weapons.

SUGGESTED SPORTS
Fencing

PLAY40-Fencing

(art. 847) Size: 150x98x7cm.

Electronic repeater a distance and in larger size of the information provided by the FULL-ARM-05 and FULL-ARM-03, for the three fencing weapons.

SUGGESTED SPORTS
Fencing

FR240

(art. 960) Size: 240x62x9cm.

A large-sized scoreboard (240x62cm) to be placed at the centre of the piste, during fencing finals. It is equipped with a sturdy case to facilitate transportation.

SUGGESTED SPORTS
Fencing

Electronic miniaturized devices for fencing training and aid

FTT-1

(art. 895) Size: 7,6x4,8x1,6cm.

Miniaturized signalling device for foil and epee hits, and tester for the body-cords of the three fencing weapons.

SUGGESTED SPORTS
Fencing
Foil
Épée

MINI 01

(art. 896-1) Size: 4x5x1,7cm.

Miniaturized electronic signalling device, with battery, for hits of the fencing épée.

SUGGESTED SPORTS
Épée

MINI-02

(art. 896-2) Size: 4x5x2cm.

Miniaturized electronic signalling wrist-device, with battery and without plug, for hits of the fencing foil.

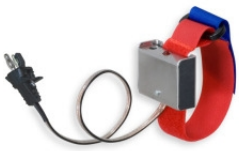
SUGGESTED SPORTS
Foil

MINI 03

(art. 896-3) Size: 4x5x1,8cm.

Miniaturized electronic signalling device, with battery and 2-pins plug, for hits of the fencing foil.

SUGGESTED SPORTS
Foil



MINI-04

(art. 896-4) Size: 4x5x1,8cm.

Miniaturized electronic signalling wrist-device, with battery and 2-pins plug, for hits of the fencing foil.

SUGGESTED SPORTS
Foil

Fencing > Fencing reel, cables and connectors (list of models)

Fencing Reel

Millennium Reel

(art. 900) Size: 34x34x4,8cm.

Winding cable reel for fencing.

SUGGESTED SPORTS
Fencing

Spare parts: MILLENNIUM REEL

(art. -)

SUGGESTED SPORTS
Fencing

Reel sub-floor box

(art. 904) Size: 45x45x12,5cm.

Box to accomodate in subfloor the fencing cable reel.

SUGGESTED SPORTS
Fencing

Cables sub-floor box

(art. 904A) Size: 20x20x20cm.

Mini-Box to accomodate in subfloor the fencing signalling apparatus cables.

SUGGESTED SPORTS
Fencing

Cables and connectors for fencing

Three-pins plug

(art. 910)

3-PIN PLUG for floor and body cord

SUGGESTED SPORTS
Fencing

Two-pins plug

(art. 918)

2-PIN PLUG for foil/sabre body cord

SUGGESTED SPORTS
Foil
Sabre

Fencers-end socket

(art. 906)

Fencer's-end Socket complete

SUGGESTED SPORTS
Fencing

Fencer-end socket with reel cable

(art. 907)

Cable 20m long with fencer-end socket, for reel.

SUGGESTED SPORTS
Fencing

Epee body cord

(art. 912)

EPEE BODY CORD with 3-Pin Plugs

S U G G E S T E D SPORTS
Épée

Foil and sabre body cord

(art. 914)

FOIL/SABRE BODY CORD, 2-Pin model

S U G G E S T E D SPORTS
Foil
Sabre

Reel-apparatus cable

(art. 903)

CABLE from piste to signalling apparatus, with 3-Pins Plugs and 14 m long.

S U G G E S T E D SPORTS
Fencing

Reel cable

(art. 900-C1)

Reel CABLE, 20m long.

S U G G E S T E D SPORTS
Fencing

Sabre/Foil Mask wire

(art. 915)

Connection cable for sabre mask or foil mask.

S U G G E S T E D SPORTS
Fencing

Piste-apparatus cable

(art. 919)

Cable with connectors and 5m long, from piste to signalling apparatus.

S U G G E S T E D SPORTS
Fencing

Football/Soccer - Futsal > Indoor scoreboards (list of models)

Electronic scoreboards without chronometer for five-a-side football

Volleyball scoreboard, PLAY30-V

(art. 345) Size: 85x38x11cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.

S U G G E S T E D SPORTS
Volleyball
Table tennis
Squash
Badminton

Electronic scoreboards with chronometer for five-a-side football

PS-M,Multisport Scoreboard

(art. 160) Size: 55x35x9,5cm.

Multisport Portable electronic scoreboard

– **SCORES:** from 0 to 199 each side.
– **FOULS/SETS/OTHER:** from 0 to 9 each side.
– **POSSESSION/ROUND:** 1 bright point per team.
– **PERIODS:** from 0 to 9.
– **TIMEOUT:** 4 bright points per team.
– **CHRONOMETER:** up to 99 min. and 59sec.

S U G G E S T E D SPORTS
Five-a-side, Futsal
Basketball
Volleyball
Handball
Water polo
Taekwondo
ect.

Multisport scoreboard FC50H15

(art. 3045015) Size: 91x60x9.5cm.

NEW ! NEW ! NEW ! NEW !

Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.).
Digit height: 15cm. Readability distance: 50m.
WIRELESS OR WIRED COMMUNICATION.
RESISTANT TO DAMAGE FROM BALLS (DIN 18032-3, UNI 9554 standards).

S U G G E S T E D SPORTS
Five-a-side, Futsal
Basketball
Volleyball
Handball
Water polo
Tennis
ect.

Scoreboard, PLAY20-C

(art. 350) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS:** from 0 to 3 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

S U G G E S T E D SPORTS
Five-a-side, Futsal
Basketball
Volleyball
Handball
ect.

Scoreboard, PLAY30-C

(art. 351) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

S U G G E S T E D SPORTS
Five-a-side, Futsal
Basketball
Volleyball
Handball
ect.

Basketball scoreboard, PLAY40

(art. 355) Size: 150x98x7cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.
– **PERIODS:** from 0 to 9.

S U G G E S T E D SPORTS
Five-a-side, Futsal
Basketball
Volleyball
Handball
ect.

Football/Soccer - Futsal > FS-series Indoor Maxi Multisport Scoreboards (list of models)

Electronic scoreboards for 5 a side - futsal

Electronic Scoreboards FS-120, FS-120N - FIBA

(art. 240) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.240: FS-120 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.240N: FS-120N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]

S U G G E S T E D SPORTS
Five-a-side, Futsal
Basketball
Volleyball
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Basketball Scoreboards FS-130, FS-130N - FIBA

(art. 242) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.242: FS-130 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.242N: FS-130N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]
LAST PLAYER FOUL [player number, foul number]

S U G G E S T E D SPORTS
Five-a-side, Futsal
Basketball
Volleyball
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Penalty times scoreboards

FS-140 Scoreboard

(art. 244) Size: 200x100x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 2 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

S U G G E S T E D SPORTS
Five-a-side, Futsal
Handball
Water polo
Hockey
ect.

FS-150 Scoreboard

(art. 246) Size: 200x140x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 3 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

S U G G E S T E D SPORTS
Handball
Water polo
Hockey
ect.

Statistics panels for Player no., Fouls and Points of 12 players (side displays)

FS-412B FIBA approved statistics panels

(art. 260B) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball and Volleyball, showing the Player No. and Fouls/Penalties of 12 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

S U G G E S T E D SPORTS
Five-a-side, Futsal
Basketball
Volleyball

FS-412C FIBA approved statistics panels

(art. 260C) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball and Volleyball, showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Five-a-side, Futsal
Basketball
Volleyball

FS-412D FIBA approved statistics panels

(art. 260D) Size: 2x 80x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Player Number and Fouls/Penalties of 12 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Five-a-side, Futsal
Basketball
Volleyball
ect.

FS-412E FIBA approved statistics panels

(art. 260E) Size: 2x 80x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Five-a-side, Futsal
Basketball
Volleyball
ect.

FS-412F FIBA approved panels

(art. 260F) Size: 2x 145x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Playername of 12 players on the 2 teams.

12 Characters, 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Five-a-side, Futsal
Basketball
Volleyball
ect.

Football/Soccer - Futsal > OUTDOOR scoreboards (list of models)

OUTDOOR scoreboards for Football/Soccer, Five-a-side -- Futsal

Scoreboard, FOS-16

(art. 300-16) Size: 314,5x59X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-9], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer

Scoreboard, FOS-18

(art. 300-18) Size: 388,5X59X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-99], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Five-a-side, Futsal
Volleyball
Football - Soccer
Hockey
Rugby
Beach volley

Scoreboard, FOS-26

(art. 300-26) Size: 166,5X118X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-9], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer

Scoreboard, FOS-29

(art. 300-29) Size: 259X118X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-99], **CHRONOMETER** [99:59], **PERIOD/SET** [0-9]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Five-a-side, Futsal
Volleyball
Football - Soccer
Hockey
Rugby
Beach volley

Scoreboard, FOS-36

(art. 300-36) Size: 333x99x15cm.

- Resistant to damage from balls.
- Digits 45cm high. Character size of Team Names: 25cm.
- Programmable **TEAM NAMES**.
- **SCORES** [0-9], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer

Scoreboard, FOS-39

(art. 300-39) Size: 333X158X15cm.

- Resistant to damage from balls.
- Digits 45cm high. Character size of Team Names: 25cm.
- Programmable **TEAM NAMES**.
- **SCORES** [0-99], **CHRONOMETER** [99:59], **PERIOD/SET** [0-9]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Five-a-side, Futsal
Volleyball
Football - Soccer
Hockey
Rugby
Beach volley

Football/Soccer - Futsal > Substitution/Extra Time Boards (list of models)

Substitution/Extra Time Boards for Football/Soccer and five-a-side football

INOUT-4-8 Substitution - Extra Time Boards

(art. 290-04) Size: 55,5x36x4cm.

Substitution board for soccer. Useful for displaying the number of players entering and exiting and for displaying the final recovery time.
Available models:
INOUT-4 with one sided display
INOUT-8 with double-sided display

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer

INOUT Display/1 - Substitute Board

(art. 291) Size: 44x41x10cm.

SOCCER/ Five-aside:
1) Display for numbers of players entering the field in or out.
2) Display for the final recovery time.
CYCLING:
Display the ranking position or missing laps.
BOXING:
Display the rounds' number.

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer
Cycling
Boxing

Gymnastics > Gymnastics scoreboards (list of models)

Electronic scoreboards for gymnastics, artistic, classic, aerobics, ...

FIGHT TIMER, Gym/Round Timer

(art. 150) Size: 56x19x4cm.

Ideal for sporting activities and gymnasiums (competitions, training, fitness sessions) where the sequences of action-pause are of a fixed duration. This timer is also useful for managing times for speakers.

SUGGESTED SPORTS
Gymnastics
Martial Arts
Boxing
Indoor cycling
Aerobics
ect.

PS-M,Multisport Scoreboard

(art. 160) Size: 55x35x9,5cm.

Multisport Portable electronic scoreboard

– **SCORES:** from 0 to 199 each side.
– **FOULS/SETS/OTHER:** from 0 to 9 each side.
– **POSSESSION/ROUND:** 1 bright point per team.
– **PERIODS:** from 0 to 9.
– **TIMEOUT:** 4 bright points per team.
– **CHRONOMETER:** up to 99 min. and 59sec.

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Taekwondo
ect.

KPB-5, KPB-10,Scoreboards

(art. 143) Size: 2pz 38x101x7cm.

Performance scoreboard to display the votes of more judges by using the remote controls

SUGGESTED SPORTS
Gymnastics
Martial Arts
Kata
Skating
Synchronized swimming
Diving
ect.

Handball > Electronic scoreboards (list of models)

Electronic scoreboards with chronometer for handball sport

PS-M,Multisport Scoreboard

(art. 160) Size: 55x35x9,5cm.

Multisport Portable electronic scoreboard

– **SCORES:** from 0 to 199 each side.
– **FOULS/SETS/OTHER:** from 0 to 9 each side.
– **POSSESSION/ROUND:** 1 bright point per team.
– **PERIODS:** from 0 to 9.
– **TIMEOUT:** 4 bright points per team.
– **CHRONOMETER:** up to 99 min. and 59sec.

S U G G E S T E D SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
Water polo
Taekwondo
ect.

Multisport scoreboard FC50H15

(art. 3045015) Size: 91x60x9.5cm.

NEW ! NEW ! NEW ! NEW !

Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.).
Digit height: 15cm. Readability distance: 50m.
WIRELESS OR WIRED COMMUNICATION.
RESISTANT TO DAMAGE FROM BALLS (DIN 18032-3, UNI 9554 standards).

S U G G E S T E D SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
Water polo
Tennis
ect.

Scoreboard, PLAY20-C

(art. 350) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS:** from 0 to 3 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

S U G G E S T E D SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
ect.

Scoreboard, PLAY30-C

(art. 351) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

S U G G E S T E D SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
ect.

Basketball scoreboard, PLAY40

(art. 355) Size: 150x98x7cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.
– **PERIODS:** from 0 to 9.

S U G G E S T E D SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
ect.

Handball > FS-series Maxi Scoreboards (list of models)

Electronic scoreboards for handball

Electronic Scoreboards FS-100, FS-100N

(art. 236) Size: 200x120x9cm.

Digits 30cm high - Protected against the shots of ball
art.236: FS-100 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.236N: FS-100N - With team-names words programmable
SCORES [0-99], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TIMEOUT** [3]

S U G G E S T E D SPORTS
Handball
Water polo
Hockey
Tennis
ect.

Electronic Scoreboards FS-110, FS-110N

(art. 238) Size: 200x120x9cm.

Digits 30cm high - Protected against the shots of ball
art.238: FS-110 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.238N: FS-110N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TIMEOUT** [3],
POSSESSION/SERVICE [arrows], **BONUS** [1]

S U G G E S T E D SPORTS
Handball
Basketball
Volleyball
Water polo
Hockey
Tennis
Beach volley
ect.

Electronic Scoreboards FS-120, FS-120N - FIBA

(art. 240) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.240: FS-120 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.240N: FS-120N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]

S U G G E S T E D SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
Water polo
Hockey
Tennis
Beach volley
ect.

Basketball Scoreboards FS-130, FS-130N - FIBA

(art. 242) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.242: FS-130 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.242N: FS-130N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]
LAST PLAYER FOUL [player number, foul number]

SUGGESTED SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
Water polo
Hockey
Tennis
Beach volley
ect.

Penalty time display panels

FS-140 Scoreboard

(art. 244) Size: 200x100x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 2 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

SUGGESTED SPORTS
Handball
Five-a-side, Futsal
Water polo
Hockey
ect.

FS-150 Scoreboard

(art. 246) Size: 200x140x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 3 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

SUGGESTED SPORTS
Handball
Water polo
Hockey
ect.

Statistics panels for Player no., Fouls and Points of 14 players (side displays)

FS-414B FIBA approved statistics panels

(art. 262B) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
Water polo
ect.

FS-414C FIBA approved statistics panels

(art. 262C) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
Water polo
ect.

FS-414D FIBA approved statistics panels

(art. 262D) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
Water polo
ect.

FS-414E FIBA approved statistics panels

(art. 262E) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
Water polo
ect.

FS-414F FIBA approved statistics panels

(art. 262F) Size: 2x 145x300x11,5cm.

Pair of statistics panels (side displays) showing the name of 14 players on the 2 teams.

12 Characters, 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Handball
Basketball
Volleyball
Five-a-side, Futsal
ect.

Hockey > Electronic scoreboards (list of models)

OUTDOOR scoreboards for Hockey

Scoreboard, FOS-18

(art. 300-18) Size: 388,5X59X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-99], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Hockey
Volleyball
Five-a-side, Futsal
Football - Soccer
Rugby
Beach volley

Scoreboard, FOS-29

(art. 300-29) Size: 259X118X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-99], **CHRONOMETER** [99:59], **PERIOD/SET** [0-9]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Hockey
Volleyball
Five-a-side, Futsal
Football - Soccer
Rugby
Beach volley

Scoreboard, FOS-39

(art. 300-39) Size: 333X158X15cm.

- Resistant to damage from balls.
- Digits 45cm high. Character size of Team Names: 25cm.
- Programmable **TEAM NAMES**.
- **SCORES** [0-99], **CHRONOMETER** [99:59], **PERIOD/SET** [0-9]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Hockey
Volleyball
Five-a-side, Futsal
Football - Soccer
Rugby
Beach volley

INDOOR scoreboards for Hockey

Electronic Scoreboards FS-100, FS-100N

(art. 236) Size: 200x120x9cm.

Digits 30cm high - Protected against the shots of ball
art.236: FS-100 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.236N: FS-100N - With team-names words programmable
SCORES [0-99], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TIMEOUT** [3]

SUGGESTED SPORTS
Hockey
Handball
Water polo
Tennis
ect.

FS-140 Scoreboard

(art. 244) Size: 200x100x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 2 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

SUGGESTED SPORTS
Hockey
Five-a-side, Futsal
Handball
Water polo
ect.

FS-150 Scoreboard

(art. 246) Size: 200x140x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 3 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

SUGGESTED SPORTS
Hockey
Handball
Water polo
ect.

Console-700

(art. 308-01) Size: 24.5x17x8.5cm.

Control console for FC, FS, FW, FOS, TM series scoreboards.
7" color touchscreen display, for the easy management of many different sports.
Wireless or wired communication.
14-hour average life internal battery.
Sturdy, impact proof case.

SUGGESTED SPORTS
Multi-sport

Martial Arts > Martial arts portable scoreboards (list of models)

Martial arts portable scoreboards: Judo, Karate, Taekwondo, Kickboxing, Wrestling

FIGHT TIMER, Gym/Round Timer

(art. 150) Size: 56x19x4cm.

Ideal for sporting activities and gymnasiums (competitions, training, fitness sessions) where the sequences of action-pause are of a fixed duration. This

SUGGESTED SPORTS
Martial Arts
Boxing
Gymnastics
Indoor cycling

timer is also useful for managing times for speakers.

Aerobics
ect.

PS-K, Karate Scoreboard

(art. 162-2012) Size: 55x35x9,5cm.

Tabletop Portable Scoreboard for KARATE with WKF 2012 rules

– SCORES: YUKO (+1), WAZA-ARI (+2), IPPON (+3)
– PENALTIES: CAT1, CAT2
– CONTEST TIME - 10 SECONDS timer

SUGGESTED SPORTS
Karate

PS-J, Judo Scoreboard

(art. 164) Size: 55x35x9,5cm.

Tabletop Portable Judo Scoreboard

– SCORES: YUKO, WAZA-ARI, IPPON.
– PENALTIES: SHIDO 1-2-3 and HANSOKU-MAKE.
– CONTEST TIME: programmable.
– OSAEKOMI time: programmable.
– GOLDEN SCORE – ACOUSTIC SIGNAL

SUGGESTED SPORTS
Judo

PS-W, Wrestling Scoreboard

(art. 161) Size: 55x35x9,5cm.

Tabletop Portable Scoreboard for:

Greco-Roman Wrestling, **Freestyle Wrestling**, **Female Wrestling**.

It displays: Scores, Cautions (Av), Victories, Periods, Chronometer.

SUGGESTED SPORTS
Wrestling

PS-KB, Kickboxing Scoreboard

(art. 163) Size: 55x35x9,5cm.

Tabletop Portable Scoreboard for KICKBOXING

– SCORES: from -9 to 99 per athlete.
– EXITS: from 0 to 9 per athlete.
– WARNINGS: 4 bright points per athlete.
– ROUND: from 0 to 9. **– CHRONOMETER:** up to 99 min. and 59sec.

SUGGESTED SPORTS
Kickboxing

PS-BJJ,Jiu-Jitsu Scoreboard

(art. 165) Size: 55x35x9,5cmcm.

BRAZILIAN JIU-JITSU portable scoreboard (or Brasilian Ju-Jitsu)

– SCORES, PENALTIES, ADVANTAGES.
– CONTEST TIME, MEDICAL CROSSES.

SUGGESTED SPORTS
Martial Arts

PS-M,Multisport Scoreboard

(art. 160) Size: 55x35x9,5cm.

Multisport Portable electronic scoreboard

– SCORES: from 0 to 199 each side.
– FOULS/SETS/OTHER: from 0 to 9 each side.
– POSSESSION/ROUND: 1 bright point per team.
– PERIODS: from 0 to 9.
– TIMEOUT: 4 bright points per team.
– CHRONOMETER: up to 99 min. and 59sec.

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Taekwondo
ect.

KPB-5, KPB-10,Scoreboards

(art. 143) Size: 2pz 38x101x7cm.

Performance scoreboard to display the votes of more judges by using the remote controls

SUGGESTED SPORTS
Martial Arts
Kata
Skating
Gymnastics
Synchronized swimming
Diving
ect.

Pétanque - Bocce > Scoreboards and chronometers (list of models)

Electronic scoreboards and chronometers for bowls game

Electronic scoreboard, PLAY20

(art. 320) Size: 85x38x11cm.

– SCORES: from 0 to 99.
One-side display.Wall fastening.

SUGGESTED SPORTS
Bowls, Bocce, Pétanque
Volleyball
Table tennis
Squash
Badminton

Electronic scoreboard, PLAY20d

(art. 322) Size: 85x27x9cm.

– SCORES: from 0 to 99.
Two-side display. Ceiling fastening.

SUGGESTED SPORTS
Bowls, Bocce, Pétanque
Volleyball
Table tennis
Squash

Timer display, CRONO

(art. 330) Size: 118x38x11cm.

Chronometer for displaying the time of sports matchs or competitions. The timer is programmable up to 19 hours, 59 minutes, 00 seconds.

SUGGESTED SPORTS
Bowls , Bocce, Pétanque
Sport competitions with chronometer required

Pétanque - Bocce > Charging time systems (list of models)

Single clock for hourly rate for bowls game

LCD20/B

(art. 122) Size: 23,3x10,6x7,2cm.

It has a housing for a ball (with diameter 35-40 mm). Extracting the ball counting can start; replacing it in its housing the counting stops and payment total is displayed.

SUGGESTED SPORTS
Bowls , Bocce, Pétanque
Table tennis

LCD20

(art. 120) Size: 18,6x10,6x7,2cm.

The solution for charging time

SUGGESTED SPORTS
Bowls , Bocce, Pétanque
Billiards
Darts
Tennis
Table tennis
ect.

Multiple clock for hourly rate for bowls game

MICRO8 /4B

(art. 708/4B) Size: 21,5x26x10cm.

Timer clock/tariff meter for 4 bowls lanes with control of the jacks.

SUGGESTED SPORTS
Bowls , Bocce, Pétanque
Table tennis

MICRO8 /8B

(art. 708/8B) Size: 21,5x37x10cm.

Timer clock/tariff meter for 8 bowls lanes with control of the jacks.

SUGGESTED SPORTS
Bowls , Bocce, Pétanque
Table tennis

MICRO8

(art. 708) Size: 21,3x12,3x5,6cm.

Designed mainly for running time controlled billiards, but can also be used wherever time is used for billing the user.

SUGGESTED SPORTS
Bowls , Bocce, Pétanque
Billiards
Darts
Tennis
Table tennis

MICRO32

(art. 700) Size: 37x11x16cm.

Studied and developed for the managing of billiard parlours and for all cases in which one wishes to charge for the time used on a given unit.

SUGGESTED SPORTS
Bowls , Bocce, Pétanque
Billiards
Darts
Table tennis
Playing cards
ect.

MICRO8 and MICRO32 options

CONTROL CARDS 8-16

(art. 733) Size: 36,5x15x10,7cm.

CONTROL-CARDS-8 : For the control of 8 packs of playing cards.
CONTROL-CARDS-16 : For the control of 16 packs of playing cards.

SUGGESTED SPORTS
Playing cards

Rugby > Electronic scoreboards (list of models)

OUTDOOR electronic scoreboards for Rugby

Scoreboard, FOS-18

(art. 300-18) Size: 388,5X59X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-99], **CHRONOMETER** [99:59]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Volleyball
Five-a-side, Futsal
Football - Soccer
Hockey
Rugby
Beach volley

Scoreboard, FOS-39

(art. 300-39) Size: 333X158X15cm.

- Resistant to damage from balls.
- Digits 45cm high. Character size of Team Names: 25cm.
- Programmable **TEAM NAMES**.
- **SCORES** [0-99], **CHRONOMETER** [99:59], **PERIOD/SET** [0-9]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Volleyball
Five-a-side, Futsal
Football - Soccer
Hockey
Rugby
Beach volley

Scoreboard, FOS-29

(art. 300-29) Size: 259X118X15cm.

- Resistant to damage from balls.
- Digits 45cm high.
- **SCORES** [0-99], **CHRONOMETER** [99:59], **PERIOD/SET** [0-9]
- Includes clock for displaying time of day.

SUGGESTED SPORTS
Volleyball
Five-a-side, Futsal
Football - Soccer
Hockey
Rugby
Beach volley

Table tennis > Electronic scoreboards (list of models)

Electronic scoreboards for the table tennis game (Ping-pong)

Electronic scoreboard, PLAY6

(art. 360) Size: 56x19x4cm.

Electronic scoreboards. Wall mounting is simple, solid and immediate using 2 front screws.

SUGGESTED SPORTS
Table tennis
Billiards
Pool table
Snooker
Italian 5-birilli

Electronic scoreboard, PLAY20

(art. 320) Size: 85x38x11cm.

– SCORES: from 0 to 99.
One-side display.Wall fastening.

SUGGESTED SPORTS
Table tennis
Volleyball
Bowls, Bocce, Pétanque
Squash
Badminton

Electronic scoreboard, PLAY20d

(art. 322) Size: 85x27x9cm.

– SCORES: from 0 to 99.
Two-side display. Ceiling fastening.

SUGGESTED SPORTS
Table tennis
Volleyball
Bowls, Bocce, Pétanque
Squash
Badminton

Volleyball scoreboard, PLAY20-V

(art. 344) Size: 85x38x11cm.

– SCORES: from 0 to 199 each side.
– SET/BONUS: from 0 to 3 each side.
– POSSESSION/PRIORITY/TURN: right or left hand side.

SUGGESTED SPORTS
Table tennis
Volleyball
Squash
Badminton

Volleyball scoreboard, PLAY30-V

(art. 345) Size: 85x38x11cm.

– SCORES: from 0 to 199 each side.
– SET/BONUS/FOUL: from 0 to 9 each side.
– POSSESSION/PRIORITY/TURN: right or left hand side.

SUGGESTED SPORTS
Table tennis
Volleyball
Squash
Badminton

PS-M,Multisport Scoreboard

(art. 160) Size: 55x35x9,5cm.

Multisport Portable electronic scoreboard

– SCORES: from 0 to 199 each side.
– FOULS/SETS/OTHER: from 0 to 9 each side.
– POSSESSION/ROUND: 1 bright point per team.
– PERIODS: from 0 to 9.
– TIMEOUT: 4 bright points per team.
– CHRONOMETER: up to 99 min. and 59sec.

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Taekwondo
ect.

Table tennis > Charging time systems (list of models)

Time accounting systems for the table tennis game (Ping-pong)

LCD20/B

(art. 122) Size: 23,3x10,6x7,2cm.

It has a housing for a ball (with diameter 35-40 mm). Extracting the ball counting can start; replacing it in its housing the counting stops and payment total is displayed.

SUGGESTED SPORTS
Table tennis
Bowls, Bocce, Pétanque

MICRO8 /4B

(art. 708/4B) Size: 21,5x26x10cm.

Timer clock/tariff meter for 4 bowls lanes with control of the jacks.

SUGGESTED SPORTS
Table tennis
Bowls, Bocce, Pétanque

MICRO8 /8B

(art. 708/8B) Size: 21,5x37x10cm.

Timer clock/tariff meter for 8 bowls lanes with control of the jacks.

SUGGESTED SPORTS
Table tennis
Bowls, Bocce, Pétanque

TIMER Ping-Pong

(art. 502) Size: 26x26x19cm.

Resolution for all Ping-Pong tables operating at an hourly rate.

SUGGESTED SPORTS
Table tennis

COIN TIMER Ping-Pong

(art. 202) Size: 26x47x26cm.

Art. 202
For controlling 2 bats and one little ball.

SUGGESTED SPORTS
Table tennis

Tennis > Tennis scoreboards (list of models)

Electronic scoreboards for the tennis sport

Scoreboard, PS-T

(art. 166) Size: 55x35x9,5cm.

Tabletop Portable Scoreboard for TENNIS

– **GAME/TIE-BREAK SCORES:** 2 digits.
– **SETS:** 3 with digit from 0 to 9.
– **SERVICE:** 1 bright point per player.
– **TIE-BREAK:** 1 bright point.
– **OPERATION:** automatic or manual.

SUGGESTED SPORTS
Tennis

Multisport scoreboard FC50H15

(art. 3045015) Size: 91x60x9.5cm.

NEW ! NEW ! NEW ! NEW !

Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.).
Digit height: 15cm. Readability distance: 50m.
WIRELESS OR WIRED COMMUNICATION.
RESISTANT TO DAMAGE FROM BALLS (DIN 18032-3, UNI 9554 standards).

SUGGESTED SPORTS
Tennis
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
ect.

Electronic Scoreboards FS-100, FS-100N

(art. 236) Size: 200x120x9cm.

Digits 30cm high - Protected against the shots of ball
art.236: FS-100 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.236N: FS-100N - With team-names words programmable
SCORES [0-99], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TIMEOUT** [3]

SUGGESTED SPORTS
Tennis
Handball
Water polo
Hockey
ect.

FS-160 Scoreboard

(art. 248) Size: 200x60x9cm.

Digits 15cm high - Protected against the shots of ball
SCORES 4 SETS [0-99]

SUGGESTED SPORTS
Tennis
Volleyball
Beach volley

Console-700

(art. 308-01) Size: 24.5x17x8.5cm.

Control console for FC, FS, FW, FOS, TM series scoreboards.
7" color touchscreen display, for the easy management of many different sports.
Wireless or wired communication.
14-hour average life internal battery.
Sturdy, impact proof case.

SUGGESTED SPORTS
Multi-sport

Tennis Charging time systems by coins or tokens

CT1

(art. 178-10) Size: H26x22,5x14cm.

Useful for: lights for playing fields, vacuums, washing machines, internet terminals, timed games, etc.

CT1 - Coin or token Acceptor for a single (1) pay timed service.

SUGGESTED SPORTS

CT02

(art. 182-02) Size: 16x12xH7,5cm.

Timers with **RFID readers** for payment via **prepaid cards** and other **RFID TAGs.**
Programmable parameters: duration of service, cost of service, accumulation of time, pause of service, warning of end of service, totalizer with zeroing option, etc.
For outdoor use, resistant to bad weather (IP56).

Available models:
CT02 - for 1 service/shower

SUGGESTED SPORTS

Volleyball > Volleyball scoreboards (list of models)

Volleyball scoreboards without chronometer

Volleyball scoreboard, PLAY20-V

(art. 344) Size: 85x38x11cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS:** from 0 to 3 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.

SUGGESTED SPORTS
Volleyball
Table tennis
Squash
Badminton

Volleyball scoreboard, PLAY30-V

(art. 345) Size: 85x38x11cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.

SUGGESTED SPORTS
Volleyball
Table tennis
Squash
Badminton

Volleyball scoreboards with chronometer

PS-M,Multisport Scoreboard

(art. 160) Size: 55x35x9,5cm.

Multisport Portable electronic scoreboard

– **SCORES:** from 0 to 199 each side.
– **FOULS/SETS/OTHER:** from 0 to 9 each side.
– **POSSESSION/ROUND:** 1 bright point per team.
– **PERIODS:** from 0 to 9.
– **TIMEOUT:** 4 bright points per team.
– **CHRONOMETER:** up to 99 min. and 59sec.

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
Water polo
Taekwondo
ect.

Multisport scoreboard FC50H15

(art. 3045015) Size: 91x60x9.5cm.

NEW ! NEW ! NEW ! NEW !

Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.).
Digit height: 15cm. Readability distance: 50m.
WIRELESS OR WIRED COMMUNICATION.
RESISTANT TO DAMAGE FROM BALLS (DIN 18032-3, UNI 9554 standards).

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
Water polo
Tennis
ect.

Scoreboard, PLAY20-C

(art. 350) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS:** from 0 to 3 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
ect.

Scoreboard, PLAY30-C

(art. 351) Size: 75x59x10cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
ect.

Basketball scoreboard, PLAY40

(art. 355) Size: 150x98x7cm.

– **SCORES:** from 0 to 199 each side.
– **SET/BONUS/FOUL:** from 0 to 9 each side.
– **POSSESSION/PRIORITY/TURN:** right or left hand side.
– **CHRONOMETER:** up to 99 minutes and 59 seconds.
– **PERIODS:** from 0 to 9.

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
ect.

Volleyball > Volleyball Scoreboards, FS-series Maxi (list of models)

Volleyball Scoreboards, FS-series

Basketball Scoreboards FS-130, FS-130N - FIBA

(art. 242) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.242: FS-130 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.242N: FS-130N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]
LAST PLAYER FOUL [player number, foul number]

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Electronic Scoreboards FS-120, FS-120N - FIBA

(art. 240) Size: 200x180x9cm.

Digits 30cm high - Protected against the shots of ball
art.240: FS-120 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.240N: FS-120N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TEAM FOULS/WIN SETS** [0-9]
TIMEOUT [3], **POSSESSION/SERVICE** [arrows], **BONUS** [1]

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Electronic Scoreboards FS-110, FS-110N

(art. 238) Size: 200x120x9cm.

Digits 30cm high - Protected against the shots of ball
art.238: FS-110 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.238N: FS-110N - With team-names words programmable
SCORES [0-199], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TIMEOUT** [3],
POSSESSION/SERVICE [arrows], **BONUS** [1]

SUGGESTED SPORTS
Volleyball
Basketball
Handball
Water polo
Hockey
Tennis
Beach volley
ect.

Display panels for set scores

FS-160 Scoreboard

(art. 248) Size: 200x60x9cm.

Digits 15cm high - Protected against the shots of ball
SCORES 4 SETS [0-99]

SUGGESTED SPORTS
Volleyball
Tennis
Beach volley

Statistics panels for Player no., Fouls and Points of 12 players (side displays)

FS-412B FIBA approved statistics panels

(art. 260B) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball and Volleyball, showing the Player No. and Fouls/Penalties of 12 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal

FS-412C FIBA approved statistics panels

(art. 260C) Size: 2x 120x260x11,5cm.

Pair of statistics panels (side displays) for Basketball and Volleyball, showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal

FS-412D FIBA approved statistics panels

(art. 260D) Size: 2x 80x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Player Number and Fouls/Penalties of 12 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
ect.

FS-412E FIBA approved statistics panels

(art. 260E) Size: 2x 80x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
ect.

FS-412F FIBA approved panels

(art. 260F) Size: 2x 145x240x11,5cm.

Pair of statistics panels (side displays) for Basketball, Volleyball, Five-a-side (Futsal), etc., showing the Playername of 12 players on the 2 teams.

12 Characters, 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
ect.

Statistics panels for Player no., Fouls and Points of 14 players (side displays)

FS-414B FIBA approved statistics panels

(art. 262B) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414C FIBA approved statistics panels

(art. 262C) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414D FIBA approved statistics panels

(art. 262D) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414E FIBA approved statistics panels

(art. 262E) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
Water polo
ect.

FS-414F FIBA approved statistics panels

(art. 262F) Size: 2x 145x300x11,5cm.

Pair of statistics panels (side displays) showing the name of 14 players on the 2 teams.

12 Characters, 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Volleyball
Basketball
Five-a-side, Futsal
Handball
ect.

Volleyball > TIME OUT signal (list of models)

TIME OUT signal, buzzer-signaller for volley-ball

TIME OUT Signal

(art. 254) Size: 27x7x7cm.

Acoustic buzzer and light signaller for requesting Time-Out in volley-ball.

SUGGESTED SPORTS
Volleyball

Water polo > Water polo scoreboards (list of models)

Electronic scoreboards for Water polo

PS-M,Multisport Scoreboard

(art. 160) Size: 55x35x9,5cm.

Multisport Portable electronic scoreboard

– **SCORES:** from 0 to 199 each side.
– **FOULS/SETS/OTHER:** from 0 to 9 each side.
– **POSSESSION/ROUND:** 1 bright point per team.
– **PERIODS:** from 0 to 9.
– **TIMEOUT:** 4 bright points per team.
– **CHRONOMETER:** up to 99 min. and 59sec.

SUGGESTED SPORTS
Water polo
Basketball
Volleyball
Five-a-side, Futsal
Handball
Taekwondo
ect.

Multisport scoreboard FC50H15

(art. 3045015) Size: 91x60x9.5cm.

NEW ! NEW ! NEW ! NEW !

Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.).
Digit height: 15cm. Readability distance: 50m.
WIRELESS OR WIRED COMMUNICATION.
RESISTANT TO DAMAGE FROM BALLS (DIN 18032-3, UNI 9554 standards).

SUGGESTED SPORTS
Water polo
Basketball
Volleyball
Five-a-side, Futsal
Handball
Tennis
ect.

Electronic Scoreboards FS-100, FS-100N

(art. 236) Size: 200x120x9cm.

Digits 30cm high - Protected against the shots of ball
art.236: FS-100 - With words HOME-GUEST, LOCALI-OSPITI, ...
art.236N: FS-100N - With team-names words programmable
SCORES [0-99], **CHRONOMETER** [99:59]
PERIOD/SET [0-9], **TIMEOUT** [3]

SUGGESTED SPORTS
Water polo
Handball
Hockey
Tennis
ect.

FS-140 Scoreboard

(art. 244) Size: 200x100x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 2 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

SUGGESTED SPORTS
Water polo
Five-a-side, Futsal
Handball
Hockey
ect.

FS-150 Scoreboard

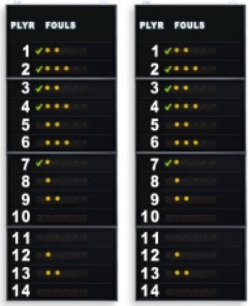
(art. 246) Size: 200x140x9cm.

Digits 20cm high - Protected against the shots of ball

Scoreboard to display 3 penalty times per team.
PLAYER NUMBER [0-99], **PENALTY TIME** [0:00 - 9:59]

SUGGESTED SPORTS
Water polo
Handball
Hockey
ect.

Statistics panels for Player no., Fouls and Points of 14 players (side displays)



Scoreboards, FS-414A

(art. 262A) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) for Waterpolo, showing the Player No. and Fouls/Penalties of 14 players on the 2 teams. Numbers caps are fixed, from 1 to 14.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Water polo

FS-414B FIBA approved statistics panels

(art. 262B) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Water polo
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

FS-414C FIBA approved statistics panels

(art. 262C) Size: 2x 120x320x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 14cm high - Protected against the shots of ball

SUGGESTED SPORTS
Water polo
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

FS-414D FIBA approved statistics panels

(art. 262D) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Water polo
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

FS-414E FIBA approved statistics panels

(art. 262E) Size: 2x 80x300x11,5cm.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Digits 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Water polo
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

FS-414F FIBA approved statistics panels

(art. 262F) Size: 2x 145x300x11,5cm.

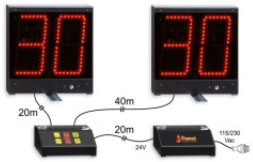
Pair of statistics panels (side displays) showing the name of 14 players on the 2 teams.

12 Characters, 15cm high - Protected against the shots of ball

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
ect.

Water polo > 30 second shot clocks (list of models)

30 second shot clock timers for Water Polo

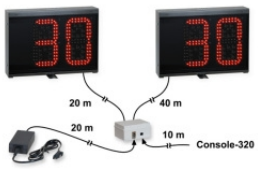


KIT30s

(art. 271) Size: 2pz 29,2x30,4x4,4cm + 2pz 20x8x12,5cm.

- For displaying possession time and timeout in water polo.
- Possibility of modifying possession time and timeout from 1 to 99 seconds.

SUGGESTED SPORTS
Water polo



KIT FS-30s

(art. 259) Size: 2pz 41x29x8,5cm + cables cm.

- For displaying possession time in water polo.
- Digits 20cm high - Protected against the shots of ball

SUGGESTED SPORTS
Water polo

[...Other sports] > Diving - Synchronized swimming (list of models)

Electronic scoreboards for: diving, synchronized swimming, ...

KPB-5, KPB-10,Scoreboards

(art. 143) Size: 2pz 38x101x7cm.

Performance scoreboard to display the votes of more judges by using the remote controls

SUGGESTED SPORTS
Martial Arts
Kata
Skating
Gymnastics
Synchronized swimming
Diving
ect.

[...Other sports] > Cycling (list of models)

Electronic panels for cycling, cyclo-cross, mountain bike (mtb), ...

INOUT Display/1 - Substitute Board

(art. 291) Size: 44x41x10cm.

SOCCER/ Five-aside:
1) Display for numbers of players entering the field in or out.
2) Display for the final recovery time.
CYCLING:
Display the ranking position or missing laps.
BOXING:
Display the rounds' number.

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer
Cycling
Boxing

[...Other sports] > Skating (list of models)

Electronic scoreboards for the figure skating sport

KPB-5, KPB-10,Scoreboards

(art. 143) Size: 2pz 38x101x7cm.

Performance scoreboard to display the votes of more judges by using the remote controls

SUGGESTED SPORTS
Martial Arts
Kata
Skating
Gymnastics
Synchronized swimming
Diving
ect.

Acceptors/Timers > for SHOWERS and water supply (list of models)

Timers with coin-token acceptor for SHOWERS

CT1w

(art. 185-10) Size: H26x22,5x14cm.

CT1w - Coin or token operated Acceptor for use of 1 shower.

SUGGESTED SPORTS

CT10w, CT20w

(art. 187-10) Size: H26x22,5x14cm.

Models with useful **display** of information: cost of service, remaining time, etc.
Programmable parameters: delayed start, pause for lathering, end of service notice, etc.

Available models:
CT10w - for 1 shower
CT20w - for 2 showers

SUGGESTED SPORTS

CT40w, CT60w, CT80w

(art. 187-40) Size: H26x22,5x14cm.

Models with useful **display** of information: cost of service, remaining time, etc.
Programmable parameters: delayed start, pause for lathering, end of service notice, etc.

Available models:
CT40w - for 4 showers
CT60w - for 6 showers
CT80w - for 8 showers

SUGGESTED SPORTS

Timers with RFID prepaid cards reader for SHOWERS

CT02

(art. 182-02) Size: 16x12xH7,5cm.

Timers with **RFID readers** for payment via **prepaid cards** and other **RFID TAGs.**
Programmable parameters: duration of service, cost of service, accumulation of time, pause of service, warning of end of service, totalizer with zeroing option, etc.
For outdoor use, resistant to bad weather (IP56).

Available models:
CT02 - for 1 service/shower

SUGGESTED SPORTS

CT12w, CT22w

SUGGESTED SPORTS

(art. 187-12) Size: H26x22,5x14cm.

Timers with **RFID readers** for payment via **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.
Programmable parameters: delayed start, pause for lathering, end of service notice, etc.

Available models:
CT12w - for 1 shower
CT22w - for 2 showers

CT42w, CT62w, CT82w

SUGGESTED SPORTS

(art. 187-42) Size: H26x22,5x14cm.

Timers with **RFID readers** for payment via **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.
Programmable parameters: delayed start, pause for lathering, end of service notice, etc.

Available models:
CT42w - for 4 showers
CT62w - for 6 showers
CT82w - for 8 showers

Timers with coin-token acceptor and RFID prepaid cards reader for showers

CT11w, CT21w

SUGGESTED SPORTS

(art. 187-11) Size: H26x22,5x14cm.

Timers with **coin/token acceptor** and **RFID reader** for payment via **coins** or **tokens**, **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.

Programmable parameters: delayed start, pause for lathering, end of service notice, etc.

Available models:
CT11w - for 1 shower
CT21w - for 2 showers

CT41w, CT61w, CT81w

SUGGESTED SPORTS

(art. 187-41) Size: H26x22,5x14cm.

Timers with **coin/token acceptor** and **RFID reader** for payment via **coins** or **tokens**, **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.
Programmable parameters: delayed start, pause for lathering, end of service notice, etc.

Available models:
CT41w - for 4 showers
CT61w - for 6 showers
CT81w - for 8 showers

ACCESSORIES

CARDWRITER-01

SUGGESTED SPORTS

(art. 193-01) Size: 13,2x8,9x15,7cm.

TAGS RFID Programmer **(**prepaid cards, wristbands and key rings) for **CTx** series timers.

Acceptors/Timers > for VARIOUS SERVICES (list of models)

Timers with coin-token acceptor for VARIOUS SERVICES

CT1

SUGGESTED SPORTS

(art. 178-10) Size: H26x22,5x14cm.

Useful for: lights for playing fields, vacuums, washing machines, internet terminals, timed games, etc.

CT1 - Coin or token Acceptor for a single (1) pay timed service.

CT10, CT20

SUGGESTED SPORTS

(art. 182-10) Size: H26x22,5x14cm.

Models with useful **display** of information: cost of service, remaining time, etc.
Programmable parameters: delayed start, end of service notice, etc.

Available models:
CT10 - for 1 service
CT20 - for 2 services

CT40, CT60, CT80

SUGGESTED SPORTS

(art. 182-40) Size: H26x22,5x14cm.

Models with useful **display** of information: cost of service, remaining time, etc.
Programmable parameters: delayed start, end of service notice, etc.

Available models:
CT40 - for 4 services
CT60 - for 6 services
CT80 - for 8 services

Timers with RFID prepaid cards reader for VARIOUS SERVICES

CT02

SUGGESTED SPORTS

(art. 182-02) Size: 16x12xH7,5cm.

Timers with **RFID readers** for payment via **prepaid cards** and other **RFID TAGs.**
Programmable parameters: duration of service, cost of service, accumulation of time, pause of service, warning of end of service, totalizer with zeroing option, etc.
For outdoor use, resistant to bad weather (IP56).

Available models:
CT02 - for 1 service/shower

CT12, CT22

SUGGESTED SPORTS

(art. 182-12) Size: H26x22,5x14cm.

Timers with **RFID readers** for payment via **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.
Programmable parameters: delayed start, end of service notice, etc.

Available models:
CT12 - for 1 service
CT22 - for 2 services

CT42, CT62, CT82

SUGGESTED SPORTS

(art. 182-42) Size: H26x22,5x14cm.

Timers with **RFID readers** for payment via **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.

Programmable parameters: delayed start, end of service notice, etc.

Available models:
CT42 - for 4 services
CT62 - for 6 services
CT82 - for 8 services

Timers with coin-token acceptor and RFID prepaid cards reader for VARIOUS SERVICES

CT11, CT21

SUGGESTED SPORTS

(art. 182-11) Size: H26x22,5x14cm.

Timers with **coin/token acceptor** and **RFID reader** for payment via **coins** or **tokens**, **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.
Programmable parameters: delayed start, end of service notice, etc.

Available models:
CT11 - for 1 service
CT21 - for 2 services

CT41, CT61, CT81

(art. 182-41) Size: H26x22,5x14cm.

Timers with **coin/token acceptor** and **RFID reader** for payment via **coins** or **tokens**, **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.
Programmable parameters: delayed start, end of service notice, etc.

Available models:
CT41 - for 4 services
CT61 - for 6 services
CT81 - for 8 services

SUGGESTED SPORTS

ACCESSORIES

CARDWRITER-01

(art. 193-01) Size: 13,2x8,9x15,7cm.

TAGS RFID Programmer **(**prepaid cards, wristbands and key rings) for **CTx** series timers.

SUGGESTED SPORTS

Acceptors/Timers > for BILLIARD, PING-PONG... (list of models)

Coin-token Acceptors for BILLIARDS and PING-PONG

COIN TIMER

(art. 200) Size: 21,5x35,5x21,5cm.

TIMER FOR COINS. For controlling an electrical load.

For the time operating of: videogames, lights for tennis courts, internet terminals, electronic scoreboards for darts, showers, aspirators, solariums, etc. ...

SUGGESTED SPORTS

COIN TIMER Ping-Pong

(art. 202) Size: 26x47x26cm.

Art. 202
For controlling 2 bats and one little ball.

SUGGESTED SPORTS
Table tennis

Coin-Timer 3B,4B,9B,16B,..

(art. 216) Size: 26x47x26cm.

Coins or token Timer for billiard: control not only the electrical load (lights) but also the presence of the balls.

SUGGESTED SPORTS
Billiards
Pool table
Carom
Russian pyramid
Snooker
ect.

Acceptors/Timers > Clocks for hourly rate (list of models)

Single clock for hourly rate

LCD20

(art. 120) Size: 18,6x10,6x7,2cm.

The solution for charging time

SUGGESTED SPORTS
Billiards
Bowls, Bocce, Pétanque
Darts
Tennis
Table tennis
ect.

LCD20/B

(art. 122) Size: 23,3x10,6x7,2cm.

It has a housing for a ball (with diameter 35-40 mm). Extracting the ball counting can start; replacing it in its housing the counting stops and payment total is displayed.

SUGGESTED SPORTS
Bowls, Bocce, Pétanque
Table tennis

Multiple clock for hourly rate

MICRO8

(art. 708) Size: 21,3x12,3x5,6cm.

Designed mainly for running time controlled billiards, but can also be used wherever time is used for billing the user.

SUGGESTED SPORTS
Billiards
Bowls, Bocce, Pétanque
Darts
Tennis
Table tennis

MICRO32

(art. 700) Size: 37x11x16cm.

Studied and developed for the managing of billiard parlours and for all cases in which one wishes to charge for the time used on a given unit.

SUGGESTED SPORTS
Billiards
Bowls, Bocce, Pétanque
Darts
Table tennis
Playing cards
ect.

Cybercafes > Internet access (list of models)

Internet Rooms

INTERNET ACCESS /PC

(art. 743) Size: 8,8x12,8x6cm.

to enable Personal Computers (INTERNET rooms, videogames on PC, safety, etc.). It is ideal for the management of payment by time with hourly tariff controllers. A simple electrical contact enables both keyboard and mouse to operate.

SUGGESTED SPORTS

INTERNET ACCESS /TEL

(art. 744) Size: 8,8x12,8x6cm.

to enable Personal Computers (INTERNET rooms, videogames on PC, safety, etc.). It is ideal for the management of payment by time with hourly tariff controllers. A simple electrical contact enables both keyboard and mouse to operate.

SUGGESTED SPORTS

Games with award > Award games products (list of models)

Moneychanger controllers

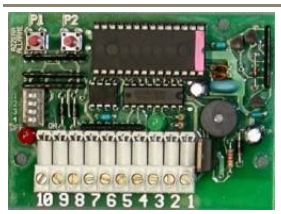
SC-5

(art. A303)

Electronic board with display for moneychangers in game rooms.

Information only in Italian language.

SUGGESTED SPORTS



SC-2

(art. A301)

Electronic board to make a moneychanger by means of an hopper and a bank notes reader.

Information only in Italian language.

SUGGESTED SPORTS

Antispark + radio boards

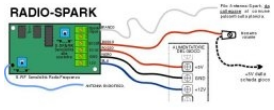
Radio-Spark for 230V-115V-24Vcc-12Vcc

(art. A4-230) Size: 10,4x5,1xH4,2cm.

Interrupts the power supply of a device in case of attempted tampering due to radio interference or electrical disharge.

4 Models are available and they differ for the power supply that has to be interrupted: 230V, 115V, 24Vcc, 12Vcc.

SUGGESTED SPORTS



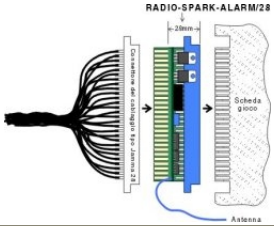
Radio-Spark (for 5Vdc)

(art. A003)

Electronic controller for noise-spark antibreaking, for game rooms.

SUGGESTED SPORTS

Information only in Italian language.



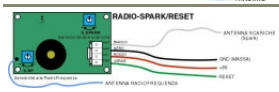
Radio-Spark/28 (for Jamma)

(art. A002)

Electronic controller for noise-spark antibreaking, for game rooms.

Information only in Italian language.

SUGGESTED SPORTS



Radio-Spark/Reset

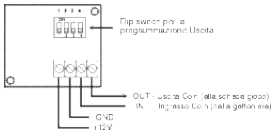
(art. A006)

Electronic reset controller for noise-spark antibreaking, for game rooms.

Information only in Italian language.

SUGGESTED SPORTS

Various boards



Multicredit-F2 Board

(art. A202)

Electronic board to generate several pulses from moneychanger.

Information only in Italian language.

SUGGESTED SPORTS

Ticket dispenser excluder

(art. 9909-2)

Electronic board to exclude the ticket dispenser.

Information only in Italian language.

SUGGESTED SPORTS

Ticket alarm

(art. 9909A)

Anti-damage electronic controller of ticket dispenser, for game rooms.

Information only in Italian language.

SUGGESTED SPORTS

NEWS > NEWS (list of models)

NEWS

Multisport scoreboard FC50H15

(art. 3045015) Size: 91x60x9.5cm.

NEW ! NEW ! NEW ! NEW !

Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.).
Digit height: 15cm. Readability distance: 50m.
WIRELESS OR WIRED COMMUNICATION.
RESISTANT TO DAMAGE FROM BALLS (DIN 18032-3, UNI 9554 standards).

SUGGESTED SPORTS
Basketball
Volleyball
Five-a-side, Futsal
Handball
Water polo
Tennis
ect.

Console-700

(art. 308-01) Size: 24.5x17x8.5cm.

Control console for FC, FS, FW, FOS, TM series scoreboards.
7" color touchscreen display, for the easy management of many different sports.
Wireless or wired communication.
14-hour average life internal battery.
Sturdy, impact proof case.

SUGGESTED SPORTS
Multi-sport

Console-300

(art. 307-01) Size: 28.5x10.5x8cm.

Control console for FC, FS, FW, FOS, TM series scoreboards.
2x20 LCD display and membrane keyboard.
Ideal for managing many different sports. Wired communication.
Reasonable price.

SUGGESTED SPORTS
Multi-sport

WF1 Wireless fencing apparatus

(art. 897-01) Size: 26.5x21x7cm.

Wireless apparatus for signalling hits in fencing, suitable for epee and foil training.

SUGGESTED SPORTS
Fencing
Foil
Épée

CT02

(art. 182-02) Size: 16x12xH7,5cm.

Timers with **RFID readers** for payment via **prepaid cards** and other **RFID TAGs.**
Programmable parameters: duration of service, cost of service, accumulation of time, pause of service, warning of end of service, totalizer with zeroing option, etc.
For outdoor use, resistant to bad weather (IP56).

Available models:
CT02 - for 1 service/shower

SUGGESTED SPORTS

TESTER-A2

(art. 899-02) Size: 21,0x12,0x14,0cm.

Portable professional electronic Tester, with **rechargeable battery**, for measuring **contact and dispersion resistance** and for signaling possible **micro-breaks** in **weapons** (foil, epee, sabre) and in **fencing equipment** (bodycords, reels, conductive jackets and t-shirts, cables, etc.).
With **OLED graphic display** for visualizing measured values.

SUGGESTED SPORTS
Fencing
Foil
Épée
Sabre

CT11w, CT21w

(art. 187-11) Size: H26x22,5x14cm.

Timers with **coin/token acceptor** and **RFID reader** for payment via **coins** or **tokens**, **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.

Programmable parameters: delayed start, pause for lathering, end of service notice, etc.

Available models:
CT11w - for 1 shower
CT21w - for 2 showers

SUGGESTED SPORTS

CT42, CT62, CT82

(art. 182-42) Size: H26x22,5x14cm.

Timers with **RFID readers** for payment via **prepaid cards** and other **RFID TAGs**; comes with **graphic display** for showing useful information: cost of service, remaining time, etc.

Programmable parameters: delayed start, end of service notice, etc.

Available models:
CT42 - for 4 services
CT62 - for 6 services
CT82 - for 8 services

SUGGESTED SPORTS

CARDWRITER-01

(art. 193-01) Size: 13,2x8,9x15,7cm.

TAGS RFID Programmer **(**prepaid cards, wristbands and key rings) for **CTx** series timers.

SUGGESTED SPORTS

INOUT-4-8 Substitution - Extra Time Boards

(art. 290-04) Size: 55,5x36x4cm.

Substitution board for soccer. Useful for displaying the number of players entering and exiting and for displaying the final recovery time.
Available models:
INOUT-4 with one sided display
INOUT-8 with double-sided display

SUGGESTED SPORTS
Five-a-side, Futsal
Football - Soccer

Timer displays > Timer displays (list of models)

Outdoor Timer displays

Outdoor Timer display, FOS-14

SUGGESTED SPORTS

(art. 300-14) Size: 166,5x59X15cm.

- Resistant to damage from balls.
- **MINUTES** and **SECONDS:** [00:00 - 99:59], digits 45cm high.
- Includes clock for displaying time of day.

Indoor Timer displays

FIGHT TIMER, Gym/Round Timer

(art. 150) Size: 56x19x4cm.

Ideal for sporting activities and gymnasiums (competitions, training, fitness sessions) where the sequences of action-pause are of a fixed duration. This timer is also useful for managing times for speakers.

SUGGESTED SPORTS
Martial Arts
Boxing
Gymnastics
Indoor cycling
Aerobics
ect.

Timer display, CRONO-M

(art. 331) Size: 85x38x11cm.

Chronometer for displaying the time of sports matchs or competitions. The timer is programmable up to 59 minutes, 00 seconds.

SUGGESTED SPORTS
Sport competitions with chronometer required

Timer display, CRONO

(art. 330) Size: 118x38x11cm.

Chronometer for displaying the time of sports matchs or competitions. The timer is programmable up to 19 hours, 59 minutes, 00 seconds.

SUGGESTED SPORTS
Sport competitions with chronometer required
Bowls, Bocce, Pétanque

[...Spare parts] > Spare parts: Electronic scoreboards (list of models)

Spare parts: Electronic scoreboards

Spare parts for FCxx
(art. -)
SUGGESTED SPORTS

Spare parts: Console-700
(art. -)
SUGGESTED SPORTS

Spare parts: CONSOLE-320
(art. -)
SUGGESTED SPORTS

Spare parts: CRONO, CRONO-M
(art. -)
SUGGESTED SPORTS

Spare parts: FIGHT TIMER
(art. -)
SUGGESTED SPORTS

Spare parts: FS-1xx, FS-4xx, FS-24s-x
(art. -)
SUGGESTED SPORTS

Spare parts: INOUT Display
(art. -)
SUGGESTED SPORTS

Spare parts: KIT24s
(art. -)
SUGGESTED SPORTS

Spare parts: KPB-5, KPB-10
(art. -)
SUGGESTED SPORTS

Spare parts: PLAY20, PLAY20d
(art. -)
SUGGESTED SPORTS

Spare parts: PLAY-20V-20C-30V-30C
(art. -)
SUGGESTED SPORTS

Spare parts: PLAY40
(art. -)
SUGGESTED SPORTS

Spare parts: PS-M, PS-K, PS-J, PS-T
(art. -)
SUGGESTED SPORTS

[...Spare parts] > Spare parts: Fencing (list of models)

Spare parts: Fencing

Spare parts: MILLENNIUM REEL

(art. -)

SUGGESTED SPORTS
Fencing

Spare parts: FULL-ARM-01/05/03 (art. -)	S U G G E S T E D SPORTS Fencing
Spare parts for FA-07 (art. -)	S U G G E S T E D SPORTS Fencing
Spare parts for EFT-1 (art. -)	S U G G E S T E D SPORTS Fencing
(art. -)	S U G G E S T E D SPORTS Fencing
Spare parts: LIGHTS REPEATER (art. -)	S U G G E S T E D SPORTS

[...Spare parts] > Spare parts: Time charging systems (list of models)

Spare parts: Time charging systems	
Spare parts: BOX-3B, 4B, 9B, 16B, etc. (art. -)	S U G G E S T E D SPORTS
Spare parts: COIN TIMER (art. -)	S U G G E S T E D SPORTS
Spare parts: Coin Timer CTx (art. -)	S U G G E S T E D SPORTS
Spare parts: CONTROL-LAMP-BALL-CARDS (art. -)	S U G G E S T E D SPORTS
Spare parts: LCD20, LCD20/B, LCD/BOX (art. -)	S U G G E S T E D SPORTS
Spare parts: Micro8, Micro32 (art. -)	S U G G E S T E D SPORTS
Spare parts: PCC-01 (art. -)	S U G G E S T E D SPORTS
Spare parts: TIMER-3B, 4B, 9B, 16B, etc. (art. -)	S U G G E S T E D SPORTS
Spare parts: PRINTER (art. -)	S U G G E S T E D SPORTS

[...Spare parts] > Spare parts: Dart and billiard scoreboards (list of models)

Spare parts: Dart and billiard scoreboards	
Spare parts: GAME ON, GAME SHOT (art. -)	S U G G E S T E D SPORTS
Spare parts: PLAY14 (art. -)	S U G G E S T E D SPORTS
Spare parts: PLAY6 (art. -)	S U G G E S T E D SPORTS
Spare parts: PLAY6T (art. -)	S U G G E S T E D SPORTS
Spare parts: PLAY8 (art. -)	S U G G E S T E D SPORTS

[...Spare parts] > Spare parts: Others (list of models)

Spare parts: Others	
Spare parts: TERMODELTA (art. -)	S U G G E S T E D SPORTS
Various Options (art. -)	S U G G E S T E D SPORTS
Not much used items	S U G G E S T E D SPORTS

[..Obsolete products] > Products out of production (list of models)

Products out of production

CONSOLE-320

(art. 230A) Size: 31,5x18,5xh12cm.

Control Console for FS/FOS series multisport scoreboards.

Ideal console for many sports: Basketball, Volleyball, 5-a-Side Soccer, Football (Futsal), Handball, Hockey, Waterpolo, Tennis, etc..
To manage also the statistics panels for the fouls and points of the players.

SUGGESTED SPORTS
- Basketball
- Volleyball
- Five-a-side, Futsal
- Handball
- Football - Soccer
- Water polo
- Hockey
- Tennis
- Rugby
- Beach volley
- ect.

Substitute Boards, INOUT Display/2

(art. 292) Size: 92x32x8cm.

SOCCER/Five-aside:
1) Display for numbers of players entering the field during the game.
2) Display for the final recovery time.

CYCLING:
Display the ranking position or missing laps.

SUGGESTED SPORTS
- Five-a-side, Futsal
- Football - Soccer

PS-K with WKF 2009-2011 rules

(art. 162-2009) Size: 55x35x9,5cm.

Tabletop Portable Scoreboard for KARATE with WKF 2009-2011 rules

– SCORES: IPPON (+1), NIHON (+2), SANBON (+3).
– PENALTIES: CAT1, CAT2 **– CONTEST TIME**
– SAI-SHIAI timer - 10 SECONDS timer

SUGGESTED SPORTS
- Karate

COIN TIMER 24V for shower

(art. 224) Size: 33,3x15,3x18cm.

The COIN TIMER 24V is useful when the use of time for showers has to be paid by coins or tokens. It is possible set up to a maximum time of 6 minutes.

SUGGESTED SPORTS

FULL-ARM-03

(art. 830) Size: 28x19,7x11,2cm.

Recording machine F.I.E. certified, to control the three fencing weapons.

SUGGESTED SPORTS
- Fencing
- Foil
- Épée
- Sabre

PANEL 02

(art. 835) Size: 84,5x40,5x7cm.

Electronic repeater a distance and in larger size of all the information provided by the FULL-ARM-05, for the three fencing weapons.

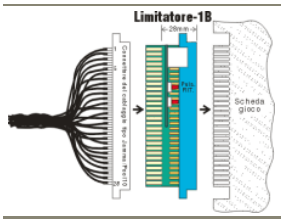
SUGGESTED SPORTS
- Fencing

PLAY30C-Fencing

(art. 845) Size: 75x59x10cm.

Electronic repeater a distance and in larger size of the information provided by the FULL-ARM-05 and FULL-ARM-03, for the three fencing weapons.

SUGGESTED SPORTS
- Fencing



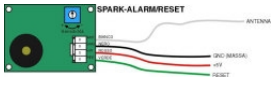
Limiter-1B

(art. A008-1B)

Electronic board to limit to 1 bank note and/or 1 coin.

Information only in Italian language.

SUGGESTED SPORTS

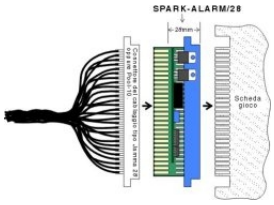


Spark-Alarm/Reset

(art. A005)

Electronic reset controller of alarm for spark antibreaking, for game rooms.

Information only in Italian language.



Spark-Alarm/28

(art. 9913)

S U G G E S T E D SPORTS

Electronic controller of alarm for spark antibreaking, for game rooms.

Information only in Italian language.

Items out of production

(art. -)

S U G G E S T E D SPORTS

[In costruzione] > In costruzione (list of models)

In costruzione

(art. 771)

S U G G E S T E D SPORTS

Art.897-14
WF1-TRANSMITTER
Spare part
Size: 7.6x4.8x1.7cm. - Weight: 0.054kg.

Art.897-10
WF1-RECEIVER
Spare part
Size: 26.5x21x7cm. - Weight: 1.9kg.

Art.897-44
Charging cable for WF1-TRANSMITTER
Spare part
Size: L15-30cm. - Weight: 0.02kg.

Art.290-26
Richargeable battery 12V 2Ah
Spare part for the following products: INOUT-4-8, WF1-RECEIVER
Size: 17.8x6x2.4cm. - Weight: 0,97kg.

Art.290-24
BATTERY CHARGER 100-240V/14.4Vcc 0.5A
Spare part for the following products: INOUT-4-8, WF1, TESTER-A2
Weight: 0.22kg.

Art.897-30
Lithium-Polymer battery, 3.7V 150mAh, for WF1-TRANSMITTER
Spare part
Size: 3x1.8x0.5cm. - Weight: 0.004kg.

Art.897-48
Carrying case for WF1-RECEIVER (with holes)
Spare part
Size: 26.5x21x7cm. - Weight: 0.35kg.

Art.897-32
F1211B electronic board for WF1-TRANSMITTER
Spare part
Size: 7.2x4.2x1.2cm. - Weight: 0.015kg.

Art.897-40
F1215B electronic board for WF1-RECEIVER
Spare part
Size: 18x6.5x2.6cm. - Weight: 0.06kg.

Alternating possession arrow

(Art.255)

Alternating possession arrow.

Ideal for: Basketball.

FEATURES

- **Dimensions and weight:** 56x23,5x4cm, 1,7kg.
- **Distance and readability angle:** 90m (295ft), 150 degrees.
- **Meets F.I.B.A. specifications.**
- **The lights are formed of groups of leds** (typical life: 100.000 hours!).
- **Robust insulated plastic container,** without the need of using a ground connection. Provided with the power cord and plug.
- **Power supply:** 100-240Vac, 50-60Hz, 40mA. Select the type of plug for the power supply cord when ordering.
- **Guarantee:** 2 years (info).

OPTIONAL

Carrying case (Art.852)

Art.255
Alternating possession arrow
Size: 56x23.5x9cm. - Weight: 1.7kg.

Art.852
BOX-04 transport case for Full-Arm-01-05
Size: 60x40x13,5cm. - Weight: 3.0kg.

Basketball Scoreboards FS-130, FS-130N FIBA approved (Art.242, Art.242N)

Electronic basketball scoreboards for sport palaces and school gyms and college gyms.

Art.242: FS-130 - Basketball scoreboard version with fixed words: HOME-GUEST
Art.242N: FS-130N - Basketball scoreboard version with team-names programmable

Ideal for: Basketball, Volleyball, 5-a-Side Football (Futsal), Handball, Waterpolo, Hockey, Tennis, etc..

Functions displayed:

Game time: [00:00 - 99:59], digits 30cm high.
Team scores: [0-199], digits 30cm high.
Period: [0-9], digit 30cm high.
Team fouls / Sets won: [0-9], digits 30cm high.
Bonus: [1 light indicator per team], 8cm diameter.
Timeout: [3 light indicators per team], 8cm diameter.
Possession/Service/Turn: [indicator arrows].
Team-names programmable: only for FS-130N model (Art.242N), 8 characters per team, 15.5cm high.
Last foul: [0-99] player number, [0-9] foul number. Digits 30cm high.

Technical characteristics:

- **Dimensions:** 200x180x9cm.
- **Weight:** 60kg [FS-130], 67kg [FS-130N].
- **Distance and readability angle:** 130m (425ft), 150 degrees. For the FS-130N model, team-names readable up to 90m (295ft).
- **FIBA approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Display of the last foul** (PLAYER/FOUL) with the number of the player and the number of the player foul (displayed for a few seconds).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- For the FS-130 model **selection of words** to chose from when ordering: HOME-GUEST, LOCALI-OSPITI, LOCALES-VISITANTES, LOCAUX-VISITEURS, HEIM-GÄSTE.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.265-20) that allows you to save on the cable costs (see ACCESSORIES).
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 250VA [FS-130] / 300VA [FS-130N]. Select the type of plug for the power supply cord when ordering.

Art.242
FS-130 Multi-sport scoreboard
Size: 200x180x9cm. - Weight: 60kg.

Art.242N
FS-130N Multi-sport scoreboard with programmable team-names
Size: 200x180x9cm. - Weight: 67kg.

Art.265-20
FS2 Radio Receiver for FS-series scoreboards
Size: 23x13x7cm. - Weight: 1,04kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual
- **Statistics panels (Side Displays)** ... >> Link
  To show player fouls, points, numbers and names.
- **24 seconds or 30 seconds Shot Clocks** ... >> Link
  Additional scoreboards in various versions to display the offense/possession time and game time.

PLAY40 (Art. 355, Art. 355T, Art. 355D)

Electronic multisport scoreboard (150 x 98 cm) for great gyms and sporting centres. Scoreboards for basketball, volley, 5-aside, handball, ecc.

- **Art.355 - PLAY40 Scoreboard with only keys console and without display** (console cable 50m)
- **Art.355T - PLAY40 Scoreboard with infrared remote control** (console cable 50m)
- **Art.355D - PLAY40 Scoreboard with console display** (console cable 60m)

PLAY40 Electronic scoreboard with only keys console and without display **(Art.355)**

Shown functions

- **Scores:** from 0 to 199 on left and right-hand sides. Digits height of 30cm, readable clearly up to 90m and beyond.
- **Set/Bonus/Fault:** one figure on right and left-hand side setable from 0 to 9 or passed away. Height of the figure is 20cm, clearly readable up to 60 m and beyond.
- **Possession/Priority/Turn:** bright stitch on the home or local side or passed away.
- **Chronometer:** maximum 99 minutes and 59 seconds. Digits height (30cm) readable clearly up to 90m and beyond. Timer programmable and choice of the mode on or to back. Visualization of the tenth of second in the last minute of count. Such function can be excluded. The colour of the two bright stitchs placed between minutes and second, shows in a clear and immediate way the state of the chronometer: Green = count in progress, red = stop. An acoustic signal 105db-30cm (which can be disabled) warns about the expire of the time.
- **Periods:** a figure from 0 to 9, or extinguished. Digits height (20cm) clearly readable up to 60m and beyond.

Technicals

- **Keyboard** with big and coloured keys, very strong and reliable. Each key span-life runs over 3 million of operations.
  The keyboard is supplied with a 50m long cable with a connectors on both ends, for a comfortable disconnectedness of the keyboard or of the scorer.
  The possible lenghtening of the cable up to 150m is easy to be built since the cable has only 3 wires.
- **Acoustic signaller.** It is used a car horn (loud intensity of 120dB at 1 meter).
  Besides signaling automatically the count of the chronometer run out, the horn can also be manually controlled. The use of horns instead of the air compressed trumpet avoids the possibility of confusing the itself one with the air compressed-trumpets that can be driven by the audience.
- **Inscriptions adhesive** are available in (LOCALI-OSPITI) Italian, (HOME-GUEST) English, (HEIM-GÄSTE) German, (LOCAUX-VISITEURS) French and (LOCALES-VISITANTES) Spanish. Specify in the order the wished tongue.
- The **installation** is very simple. Inserting the plug is enough and the tables is already to be used.
- It is supplied with suitable thin chains that allow, not only an easy fixing to wall or at ceiling, but also the possibility to easily change the inclination of the scorer to obtain the best possible visibility. The installation guide is enclosed.
- Strong **container** in metal painted to dust. Front panel made from anti-glare polycarbonate.
- **Dimension:**
  Scoreboard: width 150cm, height 98cm, depht 7cm.
  Keyboard: width 14cm, height 15.5cm, depht 3.5cm.
- **Total weight:** 34.5kg.
- **Power supply:** 230Vac, 50-60Hz, 120VA MAX.
  Is also available the version 115Vac.

OTHER VERSIONS

PLAY40 Electronic scoreboard with remote control (Art.355T)

Available the version with infrared remote control in which, any way the keyboard with cable long 50 meters is given in endowment. Technicals details of the remote control:

- 25 meters range.
- Strong covering in aluminium and of contained dimensions: 11 x 4.8 x 2.2cm.

Art.355
PLAY40 with only keys on console
Size: 150x98x7cm. - Weight: 34.7kg.

Art.355T
PLAY40 with infrared remote control
Size: 150x98x7cm. - Weight: 34.9kg.

Art.355D
PLAY40 with console display
Size: 150x98x7cm. - Weight: 34kg.

Art.356
PLAY40-REPEATER repeater Play40
Size: 150x98x7cm. - Weight: 33kg.

Art.355-03
Additional keyboard for Play40
Size: 14x15,5x3,5cm. - Weight: 0.6kg.

- Keyboard with a membrane unassailable from dirty and liquids.

PLAY40 Electronic scoreboard with luminous console display (Art.355D)

The link between the scoreboard and the console takes place through a wire phone: in endowment is given a 60m long cable. The console with display presents the following advantages:

- it is necessary if the console operator does not have a direct vision of the scoreboard and it performs the management easier;
- it disposes of a greater number of keys and tasks;
- Can be connected up to 4 scoreboard repeaters PLAY40-REPEATER (see options).

OPTIONS

PLAY40-REPEATER (Art.356): use of a second scoreboards as repeater.
Some times can be useful install two scoreboards to improve the visualization by the audience and/or of the players. In this case is it possible to link up PLAY40 principal scoreboard on a second scoreboard, called PLAY40-REPEATER, which repeats the same visualizations with the same dimensions. The link among two scorers happens through a telephone cable (in endowment is along 100 meters). The cost of a PLAY40-REPEATER is the same to that of the PLAY40.

ADDITIONAL CONSOLE (Art.355-03) for Art.355 and Art.355T.
A second console can be connected to the main one with a cable long 1.5m to allow a more comfortable management of the scoreboards by 2 people (Time controller and Scorer).

FS-24s-H20 (art.257)

Basketball 24 second shot clock.
Ideal for Basketball, 5-a-Side Football (Futsal), Waterpolo.

Functions displayed:

24 second shot clock: [0-99], digits 20cm high.

Red light: Diameter 8cm.

Technical characteristics:

- **Dimensions and weight:** 41x29x8.5cm, 6kg for the display panel + 2kg for the 50m cable.
- **Distance and readability angle:** 90m (300ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Supplied with serial cable** to connect to the Control Console (see ACCESSORIES) or to the electronic scoreboard above it, depending on which type of cabling is more convenient. Serial cable is 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.265-20) that allows you to save on the cable costs (see ACCESSORIES).
- **Robust container** made from powder-coated steel. Front panel made from anti-glare polycarbonate. It is provided with 4 wall brackets and a revolving support stirrup at the base for an easy positioning on the floor.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **The horn** can be sounded manually or automatically at the end of the 24 seconds, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity. The sound of the horn is different from the one made by the game timer.
- **Red light** goes on automatically at the end of the game time and the 24 seconds.
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering.
- It can be used together with other models for creating large scoreboards displaying various information (info).
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 70VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **SCOREBOARD CONTROL CONSOLE**:

1. **Console-700 (Art.308-01)** ... >> Link ... >> Photo
   The 24 seconds indicators are controlled using the "Console-700" control console for the electronic scoreboard, which we recommend be connected to the "Time-Console-03", especially designed with 3 convenient levers to make it easier to operate the 24 seconds shot clock.

2. **FS-24s-CONSOLE** (Art.233-10) ... >> Link ... >> Photo
   The **FS-24s-CONSOLE** is used only if the Console-700 (art.308-01) is not at one's disposal. It is used for autonomously commanding only the 24-second FS-24s-H20 shot clocks (for basketball) or the 30-second KIT-FS-30s shot clocks (for water polo). If used for commanding the FS-24s-1/2/3 models, only the 24-second shot clocks will be visualized on these models, while the game time will remain switched off.

- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.257
FS-24s-H20 Shot clock (H20cm)
Size: 41x29x8,5cm. - Weight: 8kg.

Art.265-20
FS2 Radio Receiver for FS-series scoreboards
Size: 23x13x7cm. - Weight: 1,04kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.233-10
FS-24s-CONSOLE
Size: 28,3x10x6,8cm. - Weight: 1,2kg.

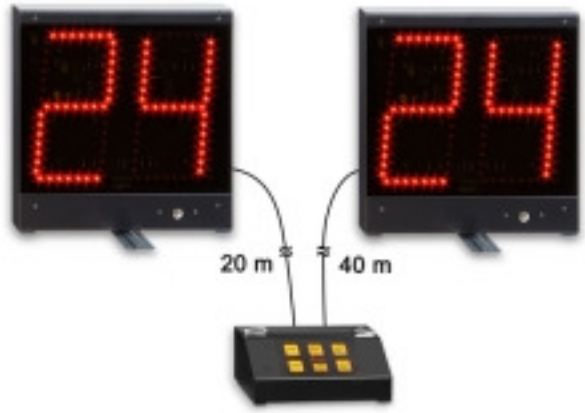
Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

KIT24s (Art. 270)

Basketball 24 seconds shot clock

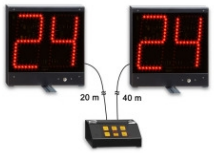
The **KIT24s** system has been designed to visualise the ball possession time and time-out in basketball. The regulations in force provide for these times to be of 24/14 and 60 seconds respectively.

It consists of a console with a keyboard and two display panels.



FEATURES

- **20-cm**-high figures in red. Visibility: 70m.
- Handling of the 14 seconds rule, as per the latest FIBA regulations.
- Green light on display indicating the time count in action.
- End of time period buzzer on each display.
- Possibility of modifying ball possession time and time-out from **1 to 99 seconds.**
- Two display connecting cables are supplied: 1 x 20m + 1 x40m.
- Various cable extension lenghts available on request.
- Possibility of adding two more display panels (Art.273).
- **Power supply:** depending on version, 230Vac or 115Vac, 35VA MAX.
- **Size**: 2pz 29,2x30,4x4,4cm +1pz 20x8x12,5cm.
- **Weight**: 8.9kg.



Art.270
KIT24s Pair of 24s + console
Size: 2pz 29,2x30,4x4,4cm +1pz 20x8x12,5cm. - Weight: 8.9kg.

Art.273
DISPLAY 24-30s - supplementary display for KIT24-30s
Size: 29,2x30,4x4,4cm. - Weight: 2kg.

Art.276
CONSOLE for controlling KIT-24s
Spare part
Size: 20x8x12,5cm. - Weight: 2.1kg.

CARDWRITER-01 (Art. 193-01)

RFID Programmer for prepaid cards, wristbands and key rings for CTx series timers.

The CARDWRITER-01 programmer allows for managing cards, wristbands and RFID key rings compatible with the CTx series timers.

The **TAGs** used (cards, wristbands, key rings) communicate with the programmer via radio waves (RFID technology) and store information such as the Credit and System Code.

A **large illuminated display with OLED technology** displays information **graphically**, ensuring easy use on part of the operator.

The CARDWRITER-01 programmer allows you to:
- **load** RFID TAGs with clients' prepaid credit;
- **verify** any remaining **credit** in the RFID TAGs;
- **zero** any remaining **credit** in the RFID TAGs;
- **verify totalizers** for loaded or zeroed credit;
- **format** the RFID TAGs;
- set and modify the **System Code**.

The CARDWRITER-01 programmer has two **menus**:
- the **operator menu**, used for normal management of cards (added and zeroed credit, etc.);
- the **administrator menu**, protected by a password, for managing the most important parameters (totalizers, System Code, etc.).

Compatible Timers:
- CT11, CT21;
- CT41, CT61, CT81;
- CT11w, CT21w;
- CT41w, CT61w, CT81w;
- CT12, CT22;
- CT42, CT62, CT82;
- CT12w, CT22w;
- CT42w, CT62w, CT82w.

Compatible Tags:
- RFID card (art. 199-50)
- RFID key ring (art. 199-55)
- RFID wristband (art. 199-60)

- **Container:** the CARDWRITER-01 programmer is constructed of a **sturdy steel and aluminum container** with a special highly resistance coat of paint for external use (cataphoresis + powder).
- **Size and weight:** height 8.9 cm, length 13.2 cm, width 15.7 cm, weight 1.04 kg. The **small size** reduces bulkiness and makes it more aesthetically pleasing.
- **Power supply:** 100-240V, 1.0A, 50-60 Hz.
- **Warranty**: 2 years (info).

Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

COIN-TIMER (Art.200)

TIMER FOR COINS

For the time operating of: videogames, lights for tennis courts, internet terminals, electronic scoreboards for darts, showers, aspirators, solariums, etc..

- The COIN TIMER, can be used in many sectors where the using time of goods or services has to be paid by inserting coins or tokens. It can be used, for example, to turn on the night lights of a tennis court or for an electronic scoreboard for darts, for the operating of videogames by time, for internet terminals, showers, solariums, etc..
- According to the value of the money that has been inserted and the hourly tariff that has been programmed, the corresponding time will be automatically loaded. The maximum cumulative time is 9 hours and 59 minutes. You can arrange, if you wish, up to 3 different hourly rates that will automatically alternate on different time zones that can be programmed for the duration of a day or a week.
- The COIN TIMER supplies 2 electrical contacts: one for service (SERVICE) to which the load to be controlled must be connected and a signalling one (ALARM) to which it is possible to connect a light that will remain alight during the last minute of the purchased time. Moreover an acoustic signal indicates when 2 minutes and 1 minute is left before the time is over.
- The general totalizer of the takings and the individual meter for coins ensure the maximum operating reliability, also without electricity. The visualizer has its own internal lithium battery that ensures complete operation for more than 7 years if it is not connected to the electrical supply.
- Sturdy metal container that can be fixed to a wall.
- Power supply: 230Vac, 50-60Hz, 250mA MAX - Available also for 115Vac.
  (selectable during purchase)
- Maximum load applicable to the SERVICE and ALARM contacts: 5A, 250 Vac.

Art.200
COIN TIMER
Size: 21,5x35,5x21,5cm. - Weight: 6kg.

Art.R200-1
TOKEN 26-1SS type
Weight: 0.007kg.

Type of coin validator (selectable during purchase)

- Mechanical coin validator for 1 coin of:
  - € 0.50
  - € 1.00
  - € 2.00
- Mechanical token validator, for 1 token
- Electronic coin validator programmable for 6 coins: € 0.05 - 0.10 - 0.20 - 0.50 - 1.00 - 2.00

OTHER MODELS:

For showers: COIN-TIMER 24V ...>> Link

For billiards: COIN-TIMER 3B, 4B, 9B, 16B, 22B, ...>> Link

COIN TIMER 24V, for showers

(Art.224)

TIMER FOR COINS OR TOKENS

When the use of time for showers has to be paid by coins or tokens.

TECHNICAL DATA

- The **COIN TIMER 24V** is useful when the use of time for showers has to be paid by coins or tokens. It is possible set up to a maximum time of 6 minutes.
- The **COIN TIMER 24V** has to be supplied with a voltage of 24Vac or 24Vdc, the same used to drive the solenoid valve that controls the water supply. In this way comes carried out a wiring with a safety extra-low voltage, that avoids the danger of electric shocks.
- The **COIN TIMER24V** comes with a strong metal container painted to dust and wall fixing. It has two doors both provided with locks. By the highest door it is possible to gain to the coin acceptor and the timer regulation (from 0 to 6 minutes). By the lowest door is gained access to the drawer that picks up the coins (or tokens) inserted. We recommend to install the COIN TIMER24V on the appropriate waiting shower-bath or however in a place where the COIN TIMER24V non-being liable for sprinklings of water.
- **Power supply:** 24Vac or 24Vdc ±10%.
- **Output load:** The output voltage will be the same of power supply.
- **Maximum load:** 5A (Ohmic load).
- **Dimensions**: width 15.3cm - height 33.3cm - depth 18.0cm.
- **Weight**: 4.1kg.

Available versions (selectable during purchase)

- Mechanical coin validator for 1 coin of:
  - ♦€ 0.50
  - ♦€ 1.00
  - ♦€ 2.00
- Mechanical tokens validator for 1 token

For the version with token acceptor, please specify the quantity of desired tokens (Art.R200-1).

Art.224
.....# Product out of production #.....COIN TIMER-24V
Size: 33,3x15,3x18cm. - Weight: 4.1kg.

Art.R200-1
TOKEN 26-1SS type
Weight: 0.007kg.

Ping-Pong COIN TIMER (Art.202)

Coins timer

Art.202
COIN TIMER PING-PONG
Size: 26x47x26cm. - Weight: 11.4kg.

For the time operating of ping-pong table.

FEATURES

- The Ping-Pong COIN TIMER can also be used where the using time of goods or services, like a ping-pong table, has to be paid by inserting coins or tokens. The maximum cumulative time is 9 hours and 59 minutes.
- According to the value of the money that has been inserted and the hourly tariff that has been programmed, the corresponding time will be automatically loaded. You can arrange, if you wish, up to 3 different hourly rates that will automatically alternate on different time zones that can be programmed for the duration of a day or a week.
- The Ping-Pong COIN TIMER supplies 2 electrical contacts: one for service (SERVICE) to which the load to be controlled must be connected and a signalling one (ALARM) to which it is possible to connect a light that will remain alight during the last minute of the purchased time. Moreover an acoustic signal indicates when 2 minutes and 1 minute is left before the time is over.
- The Ping-Pong COIN TIMER incorporates a container (BOX) which contains the tray for the 2 bats and the ball. The BOX opens in the moment when the money ifs inserted. At the end of the acquired time, if the tray with ALL the bats and the ball is not inserted and the BOX closed, the acoustic signal will be heard, the electrical load connected to the SERVICE (light, electronic scoreboard etc. ...) will turn off and the ALARM light, if it has been connected, will start to flash. Moreover some special anti-fraud counters allow you to check for how long the ball BOX has been left open after the time is over, even without the use of electricity.
- The general totalizer of the takings and the individual meter for coins, other than the anti-fraud systems, ensure the maximum operating reliability, also without electricity. The visualizer has its own internal lithium battery that ensures complete operation for more than 7 years if it is not connected to the electrical supply.
- Sturdy metal container that can be fixed to a wall.
- Dimensions: width 26cm, height 47cm, depth 26cm.
- Weight: 12.3kg.
- Power supply: 230Vac, 50-60Hz, 250mA Max - Selectable the 115Vac version to the purchase.
- Maximum load applicable to the SERVICE and ALARM contacts: 5A, 250Vac.

Type of coin validator (selectable during purchase)

- Mechanical coin validator for 1 coin of:
  - ♦€ 0.50
  - ♦€ 1.00
  - ♦€ 2.00
- Mechanical token validator, for 1 token
- Electronic coin validator programmable for 6 coins: € 0.05 - 0.10 - 0.20 - 0.50 - 1.00 - 2.00

OTHER MODELS (selectable to the purchase)

- For **showers: COIN-TIMER 24V** ...>> Link
- For **billiards: COIN-TIMER 3B, 4B, 9B, 16B, 22B, ...** ...>> Link
- **Multipurpose: COIN-TIMER** ...>> Link

CONSOLE-320 (Art.230A, Art.230B)

Control Console for FS/FOS-series electronic scoreboards.

Ideal console for many sports: Basketball, Volleyball, 5-a-Side Soccer (Futsal), Football, Handball, Waterpolo, Hockey, Tennis, etc..

Available in 2 versions:

- **Art.230A - Console-320**
- **Art.230B - Console-320 with wireless radio control**
  This version allows you to save on the cost for the serial cable used to connect it to the display panels; however, a Radio Receiver must be installed near it (see ACCESSORIES). Radio communication is at 2.4GHz, on a channel chosen automatically to prevent interference with other equipment. Range: up to 100m (330ft) indoors and up to 500m (1640ft) outdoors.

Technical characteristics:

- **Ideal console for many sports:** Basketball, Volleyball, 5-a-Side Soccer (Futsal), Football, Handball, Waterpolo, Hockey, Tennis, etc.. Multiple parameters can be set for each sport.
- **The large backlit graphic display**, 5.6" (11.5x8.7cm), makes it possible to view all the information on the scoreboards at the same time.
- **USB port.** Makes it easy to update the console software using a PC, useful when changing between the rules of one sport and another.
- **Multilingual.** All the words and instructions on the display appear in the language selected: English, Italian, Spanish, French, German.
- **Highly reliable membrane keyboard:** 5 million operations per key.
- **Interactive keys.** Depending on the sport and the menu that is active, the 13 yellow keys placed around the edge of the screen change their function, displayed on the screen near the key and in the language selected.
- **Easy to configure.** Thanks to the large graphic display and the choice of languages, all the functions are clearly presented and easy to program, even without using the manual. The manual is provided in any case, in all 5 languages.
- **Control of the main electronic scoreboard** showing the team scores and fouls, bonuses, timeouts, and the possession/turn indicator.
- **Control of the statistics panels (side displays)** showing the player number and fouls, and the points and name of each player. The statistics for all 24-28 players are displayed on the console at the same time.
- **Control and display of 5 penalty times** for each team, needed for different sports like Handball, Football 5-a-side (Futsal), Hockey, Waterpolo, etc.. Up to 5 penalty times for each team are shown on the screen at the same time.
- **Control of the game timer.** Multiple parameters can be set for each sport: count back or forward, game and interval times, sound indicating end of game time and end-of-interval warning signal, etc.. Start/Stop of the game timer can be directly activated via the Control CONSOLE-320 but to make it easier to operate the game timer use of the "TIME-CONSOLE-02" (art.232) is recommended. See ACCESSORIES.
- **Controlling the 24 seconds shot clock** using the special buttons. To have better control over the 24 seconds shot clock, we recommend you use the specially designed "TIME-CONSOLE-02" (art.232). See ACCESSORIES.
- **Current time.** The control console includes a clock to be able to view the time on the scoreboard's game timer.
- **2 serial data outputs.** Two connectors ensure operational continuity in case one of the 2 outputs fails.
- **Strong container** made from powder-coated aluminum.
- **Transport case** (Photo) supplied with the console, which can also hold any additional accessories ("Time-Console-02" for the 24 seconds shot clock and game timer, external battery, etc.).
- **Guarantee:** 2 years. (info).
- **Dimensions and weight:** 31.5x19x12cm, 1.9kg.
- **Power supply:** 12Vdc ±10%, 200mA Max. This makes it possible to supply power to the console with a 12V external battery (see ACCESSORIES) or using the supplied power adaptor (100-240V) with the type of plug to be selected when ordering.

Art.230A
...# Product out of production #...CONSOLE-320
It has been replaced by the art.308-01 Console-700
Size: 31,5x18,5xh12cm. - Weight: 2,1kg.

Art.230B
...# Product out of production #...CONSOLE-320 with wireless radio control
It has been replaced by the art.308-01 Console-700
Size: 31,5x20,5xh12cm. - Weight: 2,3kg.

Art.232
...# Product out of production #...Time-Console-02
It has been replaced by the art.232-03 Time-Console-03
Size: 14x15x3,5cm. - Weight: 0,55kg.

Art.828-1
Rechargeable Battery 12V-7Ah, with DC plug
Size: 15x12x6,5cm. - Weight: 2.1kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

ACCESSORIES (not included):

- **Time-Console-02** (art.232) ... >> Photo
  This is a supplementary console that is small and economical, making it easier to operate the 24 second shot clock or the game timer; to meet the demands of both the people operating these timers, it is recommended to buy 2 units. Characteristics:

  1. Has 2 practical small control levers (START/STOP, LOAD/SOUND).
  2. 2m cable to connect with Console-320.
- **Rechargeable battery** (art.828-1)
  Useful to power Console-320 without having to be plugged into the main electrical grid. Typical duration over 35 hours.
- **Battery charger** (art.169) ... >> Photo
  Required if you purchase the rechargeable battery.
- **Radio Receiver for FS scoreboards** (art.265-10)
  Receives the data transmitted by the control console, when it is equipped with a radio transmitter, and distributes the signal to one or more scoreboards. Radio communication is at 2.4GHz, on a channel chosen automatically to prevent interference with other equipment.
  >> Radio Receiver installation manual

CONTROL-CARDS (Art.733 - Art.734)

CONTROLLER FOR PACKS OF PLAYING CARDS

Art.733 - **CONTROL-CARDS-8 : For the control of 8 packs of playing cards.**

Art.734 - **CONTROL-CARDS-16 : For the control of 16 packs of playing cards.**

The **CONTROL-CARDS** is a useful accessory for public places where tables for card playing are used. It is connected to a timer clock/tariff meter, in such a way as to automatically define the amount to be paid, based on a pre-determined time tariff and on the time-length of use of the table.

TECHNICAL DATA

- Convenient container for packs of cards with the numbering of the same clearly visible. The maximum dimensions of the pack that can be inserted are: **width 100mm**, **thickness 30mm**.
- Micro-switch on the bottom of each pack container which registers the presence of the same.
- Easy connection to timer clock/tariff meter by means of a telephone cable which is included.
- **Two models of timer clock/tariff meter are available**: the MICRO8, which can control up to 8 tables, and the MICRO32, that can control up to 32 tables.
- When a pack of cards is taken from the container, the time count automatically starts for the corresponding table. The tables being counted are clearly visible on the timer clock/tariff meter.
- When a pack of cards is taken the lighting up of the table can be automatically carried out. This happens if the timer clock/tariff meter is also connected to the CONTROL-LAMP accessory (see leaflets MICRO8 and MICRO32).
- At the end of the game, when the cards are inserted into the container, the operator can visualise the amount to be paid.
- The timer clock/tariff meter model MICRO32, as well as registering the time tariff, **permits the registration of food and drink consumed at the table**.

Dimensions and weight:

- Art.733 - CONTROL-CARDS-8: 36.6 x 15 x 7.5cm - 1.7kg
- Art.734 - CONTROL-CARDS-16: 73.2 x 15 x 7.5cm - 3.4kg

Art.733
CONTROL-CARDS-8 controller for 8 playing cards
Size: 36,5x15x10,7cm. - Weight: 2.3kg.

Art.734
CONTROL-CARDS-16 controller for 16 playing cards
Size: 2pz 36,5x15x10,7cm. - Weight: 4.4kg.

Art.708
MICRO8
Size: 21,3x12,3x5,6cm. - Weight: 0.75kg.

Art.700
MICRO32
Size: 37x11x16cm. - Weight: 4.6kg.

Art.700/2
MICRO32 2nd version
Size: 37x11x16cm. - Weight: 4.6kg.

Art.740
CONTROL-LAMP-8 (8 lamps controller)
Size: 24,5x19,7x9,5cm. - Weight: 1.25kg.

Art.741
CONTROL-LAMP-16 (16 lamps controller)
Size: 31x23,5x12,7cm. - Weight: 1.8kg.

CONTROL-BALL-4/8/16

(Art.728, 729, 730)

Options for MICRO8 and MICRO32

Is designed for controlling the BOXes (cases) which hold the billiard balls.

- **Three models available: for 4, 8 and for 16 boxes.**
  Art.728 - **CONTROL-BALL-4** can control the balls for 4 tables.
  Art.729 - **CONTROL-BALL-8** can control the balls for 8 tables.
  Art.730 - **CONTROL-BALL-16** can control the balls for 16 tables.
- The connection between each BOX and the controller is carried out using two wires at low voltage (24V).
- BOX is a sturdy metal container with a simple mechanical system (patented) for controlling the billiard balls.
- There are BOXes for all types of billiard balls: see ARTICLE CODES section.
- When a game start (START) is given to the MICRO8-MICRO32, the ball door opens automatically thus allowing the player to take the tray holding the balls. When the tray with ALL the balls is replaced into the BOX and the door is closed (the door will not close if even one ball is missing), the MICRO8-MICRO32 will stop the time count and display game-over to the operator.
- The BALL-CONTROL can also be connected to simple ball holders where a micro-switch trips when the ball tray is removed. In this case the game starts automatically when the tray is removed.
- CONTROL-BALL power supply: 230Vac, 250mA Max (115V).

Balls BOX - Wall mounting

All the below mentioned BOXES have a rear shoulder in sheet metal for wall mounting.

Art.403 - **BOX-3B for CAROM** (3 x Ø61.5-63.2mm)
Art.403A - **BOX-3B for ITALIANA** (2 x Ø68 + 1 x Ø59mm)
Art.404 - **BOX-4B for 4 balls** (4 x Ø61,5mm)
Art.409 - **BOX-9B for 9 balls** (9 x Ø61,5mm)
Art.409A - **BOX-9B for 9 balls** (8xØ59 + 1xØ54mm)
Art.416 - **BOX-16B for POOL** (16 x Ø57mm)
Art.416A - **BOX-16B/52 for ENGLISH POOL** (16 x Ø50-52mm)
Art.416B - **BOX-16B/68 for RUSSIAN PYRAMID** (16 x Ø68mm)
Art.422 - **BOX-22B for SNOOKER** (22 x Ø52-54mm)
Art.402 - **BOX-PING-PONG** for controlling 2 bats and one little ball
Art.440 - **MINI-BOX** for controlling a little ball (Ø35-40mm)

Balls BOX - Stacked version

If the boxes have to be stacked one on top of another, they are available without rear shoulder and with an anti-slip rubber insert; their code number has the word /L added (example: Art. 403/L).

Art.403/L - **BOX-3B for CAROM** (3 x Ø61.5-63.2mm)
Art.403A/L - **BOX-3B for ITALIANA** (2 x Ø68 + 1 x Ø59mm)
Art.404/L - **BOX-4B for 4 balls** (4 x Ø61,5mm)
Art.409/L - **BOX-9B for 9 balls** (9 x Ø61,5mm)
Art.409A/L - **BOX-9B for 9 balls** (8xØ59 + 1xØ54mm)
Art.416/L - **BOX-16B for POOL** (16 x Ø57mm)
Art.416A/L - **BOX-16B/52 for ENGLISH POOL** (16 x Ø50-52mm)
Art.416B/L - **BOX-16B/68 for RUSSIAN PYRAMID** (16 x Ø68mm)
Art.422/L - **BOX-22B for SNOOKER** (22 x Ø52-54mm)
Art.402/L - **BOX-PING-PONG** for controlling 2 bats and one little ball
Art.440/L - **MINI-BOX** for controlling a little ball (Ø35-40 mm)

There are also available BOXES for fitting underneath the billiard table with appropriate brackets; their code number has the word /S added.

Art.728
CONTROL-BALL-4 (4 BOXes controller)
Size: 16x12x7,7cm. - Weight: 1.07kg.

Art.729
CONTROL-BALL-8 (8 BOXes controller)
Size: 20x15x8cm. - Weight: 1.24kg.

Art.730
CONTROL-BALL-16 (16BOXes controller)
Size: 24,5x19,7x9,5cm. - Weight: 1.5kg.

Art.403
BOX-3B Wall mount. For Carom billiards (3x 61.5-63.2mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.403/L
BOX-3B Low version. For Carom billiards (3x 61.5-63.2mm)
Size: 21,5x22xH11,2cm. - Weight: 4.25kg.

Art.403A
BOX-3B/A Wall mount. For Italiana game (2x68 +1x59mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.403A/L
BOX-3B/A Low version. For Italiana game (2x68 +1x59mm)
Size: 21,5x22xH11,2cm. - Weight: 4.25kg.

Art.404
BOX-4B Wall mount. For 4 balls (4x61.5mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.404/L
BOX-4B Low version. For 4 balls (4x61.5mm)
Size: 21,5x22xH11,2cm. - Weight: 4.25kg.

Art.409
BOX-9B Wall mount. For 9 balls (9x61.5mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.409/L
BOX-9B Low version. For 9 balls (9x61.5mm)
Size: 21,5x22xH11,2cm. - Weight: 4.25kg.

Art.409A
BOX-9B/A Wall mount. For 9 balls (8x59 + 1x54mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.409A/L
BOX-9B/A Low version. For 9 balls (8x59 + 1x54mm)
Size: 21,5x22xH11,2cm. - Weight: 4.25kg.

Art.416
BOX-16B Wall mount. For Pool (16x57mm)
Size: 26x26xH11,2+7,8cm. - Weight: 6kg.

Art.416/L
BOX-16B Low version. For Pool (16x57mm)
Size: 26x26xH11,2cm. - Weight: 5.8kg.

Art.416A
BOX-16B/52 Wall mount. For English pool (16x50-52mm)
Size: 26x26xH11,2+7,8cm. - Weight: 6.13kg.

Art.416A/L
BOX-16B/52 Low version. For English pool (16x50-52mm)
Size: 26x26xH11,2cm. - Weight: 5.93kg.

Art.416B
BOX-16B/68 Wall mount. For Russian Pyramid (16x68mm)
Size: 32x32,5xH11,8+7,8cm. - Weight: 8.4kg.

Art.416B/L
BOX-16B/68 Low version. For Russian Pyramid (16x68mm)
Size: 32x32,5xH11,8cm. - Weight: 8.3kg.

Art.422
BOX-22B Wall mount. For Snooker (22x52-54mm)
Size: 32x32,5xH11,2+7,8cm. - Weight: 8.38kg.

Art.422/L
BOX-22B Low version. For Snooker (22x52-54mm)
Size: 32x32,5xH11,2cm. - Weight: 7.9kg.

Art.402
BOX PING-PONG wall mount
Size: 26x26xH11,2+7,8cm. - Weight: 5.9kg.

Art.402/L
BOX PING-PONG Low version
Size: 26x26xH11,2cm. - Weight: 5.7kg.

Art.440
MINI BOX for small ball Ø35-40mm - Bowls, table tennis
Size: 4,9X7,1X8cm. - Weight: 0.24kg.

Art.750
EXTENSION WIRE 15m long for CONTROL-LAMP-BALL
(additional)
Weight: 0.2kg.

CONTROL-LAMP-4/8/16

Options for MICRO8 and MICRO32

Is designed for controlling the activation of lamps or other electrical appliances.

Three models available: for 4, 8 and for 16 lamps.

- Art.739 - **CONTROL-LAMP-4** for controlling 4 lamps
- Art.740 - **CONTROL-LAMP-8** for controlling 8 lamps
- Art.741 - **CONTROL-LAMP-16** for controlling 16 lamps

Each of its outputs is relay-controlled and protected by a fuse.
The load that can be applied to each output is 5A/250 V.

Each control mechanism may be positioned as far as one hundred (100) metres from the MICRO8-MICRO32 , and the connection is made by means of a thin cable 4 mm in diameter. Each lamp controller is supplied with an extention cable of 15 m long. The control mechanisms may thus be set up in the best place for simplifying the connections to the lights or the ball-containers, and the MICRO8-MICRO32 can be positioned where it is most convenient for the operator. The unit lends itself ideally, therefore not only to new game rooms but also to existing rooms since it features a simple electrical system.

Power Supply: 230V 50-60Hz, 6VA (Art.739), 10VA (Art.740), 15VA (Art.741). Available also for 115V.

Art.739
CONTROL-LAMP-4 (4 lamps controller)
Size: 20x15x8cm. - Weight: 0.7kg.

Art.740
CONTROL-LAMP-8 (8 lamps controller)
Size: 24,5x19,7x9,5cm. - Weight: 1.25kg.

Art.741
CONTROL-LAMP-16 (16 lamps controller)
Size: 31x23,5x12,7cm. - Weight: 1.8kg.

Art.750
EXTENSION WIRE 15m long for CONTROL-LAMP-BALL
(additional)
Weight: 0.2kg.

CT02

Prepaid card Timers for 1 service/shower. Version with RFID contactless reader.

art.182-02 **CT02** - for 1 service

Useful for: showers, water services, lights for playing fields, internet terminals, electronic games, washing machines, vacuums, solariums, air conditioners for seaside establishments, opening of doors and gates, etc.

- Place the prepaid cards, wristbands or key rings next to the RFID reader to activate the electrical devices you wish to manage.
- **Relay 10A**. Allows for a maximum electrical load of 2300VA with 230V, or 1150VA with 115V. The contact can also be used for closing low voltages or command signals.
- A **signal light** (LED) on the front of the Timer indicates when the service is in use.
- The **RFID reader** allows for payment of services through the decrement of costs, and displays any remaining credit in the TAG/transponder. The code set by the administrator ensures that the payment system is safe. All TAG/transponders use RFID contactless technology without magnetic strips.
- The cost, duration, and all other service parameters can be programmed by modifying the appropriate file, via PC, and downloading it to a USB stick located on the product's board.
- The system requires a dedicated programmer (**Art. 193-01 CARDWRITER-01**) to load and zero the amount of the TAG/transponders. The totalizers allow for the verification of the amounts allocated.
- **Sturdy container** made from shockproof polycarbonate.
- **International protection rating IP56.** For outdoor use, resistant to bad weather.
- **Size and weight**: height 12 cm, width 16 cm, length 7,5 cm, weight 0,6 kg.
Wall fastening.
- **Power supply**: 12Vdc; provided with a 100-240V/12Vdc-1,3A power adaptor for panel mounting.
- **Warranty**: 2 years (info).

Functions

- The **duration of service** (closing of the relay) can be easily adjusted from 1 second to 24 hours.
- The **cost of service** can be liberally programmed.
- **Accumulation of time** feature possible. If enabled, the service time available can be increased (max. 48 hours) by placing the TAG/transponders next to te RFID reader more than once. If feature is disabled, no increase of available time can be effectuated and no credit adjustment in the RFID TAGs will occur.
- It is possible to **delay the start of service**. This is useful when the customer needs more time before accessing the service.
- **Start/Pause button** can be connected externally, enabling the customer to activate or stop the service. The maximum time for a pause can be adjusted.
- The **automatic pause** function temporarily interrupts the supply of water. It may be used to inform customers of the end of service.
- The function **end of service notice** utilizes a special output to warn customers of the end of service without interrupting the service.
- A **credit totalizer** comes with the product and can be verified and zeroed by the service operator.
- **The counting time is memorized** in case of power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.

Art.182-02
CT02 Timer for 1 service/shower with RFID Prepaid Card Acceptor
Size: 16x12xH7,5cm. - Weight: 0,6kg.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

Art.199-20
Solenoid valve, 12Vdc 8W max, G1/2 Female-Female, ISO-228
Size: 6x4xH10cm. - Weight: 0,50kg.

Art.199-27
Water Y-Strainer, size 1/2, female-female, ISO-228
Size: 6x3x5cm. - Weight: 0,15kg.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

CT1- Coin Acceptor for 1 service

(Art.178-10)
Coin or token operated Acceptor for 1 pay timed service

Useful for: lights for playing fields, internet terminals, electronic games, washing machines, vacuums, solariums, air conditioners for seaside establishments, treadmills, etc. For showers or water service please see model CT1w .

•**The introduction of coins/tokens closes the relay contacts** to which the electrical load to be controlled must be connected.
•**Relay 10A** . Allows for a maximum electrical load of 2300VA with 230V, or 1150VA with 115V. The contact can also be used for closing low voltages or command signals. As an option (see OPTIONS) the CT1 can also come with a **Relay 30A.**
•The **time** of service (closing of the relay) can be easily adjusted from 15 seconds to 6 hours for each coin/token inserted.
•Optional **accumulation of time** feature. If this feature is activated, inserting more coins will increase the time of service (maximum 30 hours). If deactivated, coins inserted during service will be rejected and returned, thereby preventing disputes from customers.
•Upon inserting a coin it is possible to **delay the start of service** from 0 to 60 seconds. This is useful when the customer needs more time before accessing the service.
•A **signal light** (LED) on the front of the Acceptor indicates when the service is in use.
•**The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
•**Coins inserted when the CT1 is not in service will be rejected** and returned, thereby preventing disputes from customers.
•The CT1 **uses an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the CT1 will accept. As an option (see OPTIONS) the CT1 can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
•A **special internal button** (LOAD ON/OFF) allows for the manual activation/deactivation of the service to facilitate the proper functioning of the device.
•**Sturdy metal container,** with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the CT1 can be furnished with protection from rain and water (International protection rating IP34) and/or with **stainless steel container**.
•**Large coin drawer** that can hold circa 500 coins/tokens.
•**Size and weight**: height 26 cm, width 22.5 cm, length 14 cm, weight 3.5kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
•**Power supply**: 100-240V, 0.35A, 50-60 Hz.
•**Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

• **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
•**Relay 30A**. Allows for a maximum electrical load of 6900VA with 230V, or of 3450VA with 115V.
•**Electronic multi-coin Acceptor.**(photo) Useful for allowing the CT1 to accept up to 6 different types of coins. The operator can programme the coins by inserting each type of coin repeatedly. The programmed time on the CT1 relates to the coin of least value; the other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.
•**Protection from rain and splashing water.**(photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2). Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside

Art.178-10
CT1 Coin Acceptor 1 service, without display
Size: H26x22,5x14cm. - Weight: 3,2kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

locations.
Very easy fastening, via 2 screws only, on all CT models.

Acceptor/Timer for 1-2 services

Coin or token operated Acceptor for 1-2 pay timed services.

art.182-10 **CT10** - for 1 service (photo)
art.182-20 **CT20** - for 2 services (photo)

Useful for: lights for playing fields, internet terminals, electronic games, washing machines, vacuums, solariums, air conditioners for seaside establishments, treadmills, etc. For showers or water service please see models CT10w and CT20w .

- **The introduction of coins/tokens closes the relay contacts** to which the electrical load to be controlled must be connected.
- **Relay 10A**. Allows for a maximum electrical load of 2300VA with 230V, or 1150VA with 115V. The contact can also be used for closing low voltages or command signals.
- The **time** of service (closing of the relay) can be easily adjusted from 1 second to 24 hours for each coin/token inserted.
- Optional **accumulation of time** feature. If this feature is activated, inserting more coins will increase the time of service (maximum 48 hours). If deactivated, coins inserted during service will be rejected and returned, thereby preventing disputes from customers.
- It is possible to **delay the start of service** once coins have been inserted. This is useful when the customer needs more time before accessing the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (Italian, English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the service. The maximum time for a pause can be adjusted.
- The **automatic pause** function temporarily interrupts the supply of water. It may be used to inform customers of the end of service.
- The function **end of service notice** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half (except on the **CT10** which already has 2 outlets).
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- **Coins inserted when the CT is not in service will be rejected** and returned, thereby preventing disputes from customers.
- The **CT use an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the **CT** will accept. As an option (see OPTIONS) the **CT** can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
- **Sturdy metal container,** with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (International protection rating IP34) and/or with **stainless steel container**.
- **Large coin drawer** that can hold circa 400-500 coins/tokens.
- **Size and weight**: height 26 cm, width 22.5 cm, length 14 cm, weight 3.1 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
- **Power supply**: 100-240V, 0.35A, 50-60 Hz.
- **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

- **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
- **Electronic multi-coin Acceptor.**(photo) Useful for allowing the **CT** to accept up to 6 different types of coins. The operator can programme the coins by inserting each type of coin repeatedly. The programmed time on the **CT** relates to the coin of least value; the other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.
- **Protection from rain and splashing water.**(photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:

Art.182-10
CT10 Timer 1 service with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 3,4kg.

Art.182-20
CT20 Timer 2 services with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 3,5kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2). Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside locations.
Very easy fastening, via 2 screws only, on all **CT** models.

Acceptor/Timer for 1-2 showers

Coin or Token Timer for 1-2 showers or water supplies.

art.187-10 **CT10w** - for 1 shower (photo)
art.187-20 **CT20w** - for 2 showers (photo)

- Includes a 12Vdc output for **direct activation of a solenoid valves**, which must be purchased separately (art. 199-20).
- The time of service (closing of the relay) can be easily adjusted from 1 second to 24 hours for each coin/token inserted.
- It is possible to **delay the start of service** once coins have been inserted, in order to save water prior to using the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the supply of water and regulate the pauses for lathering. The maximum time for a pause can be adjusted.
- The funtion "**end of water notice**" (automatic pause) causes a brief interruption of water to occur. This is useful for warning the customer of the remaining time available and for allowing sufficient time to finish bathing.
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- **Coins inserted when the CT is not in service will be rejected** and returned, thereby preventing disputes from customers.
- The **CT uses an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the **CT** will accept. As an option (see OPTIONS) the **CT** can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
- Optional **accumulation of time** feature. If this feature is activated, inserting more coins will increase the time of service (maximum 48 hours). If deactivated, coins inserted during service will be rejected and returned, thereby preventing disputes from customers.
- The function **"end of service notice"** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half (except on the **CT10w** which already has 2 outlets).
- **Sturdy metal container**, with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (international protection rating IP34) and/or with **stainless steel container**.
- **Large coin drawer** that can hold circa 400-500 coins/tokens.
- **Size and weight**: height 26 cm, width 22.5 cm, length 14 cm, weight 3.1 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
- **Power supply**: 100-240V, 0.35A, 50-60 Hz. As an option, the 12Vdc version with power supply is also available (see OPTIONS).
- **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

- **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
- **Protection from rain and splashing water.** (photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.
- **Power supply 12Vdc.** Power supply device 12Vcc is useful when the CT is installed in places where it is obligatory to use a safety extra-low voltage (SELV). It comes furnished with its own power supply with a 12Vdc output and a 100-240V input, and should be installed in a place where the use of such voltage is permitted.
- **Electronic multi-coin Acceptor.**(photo) Useful for allowing the **CT** to accept up to 6 different types of coins. The operator can programme the coins by inserting each type of coin repeatedly. The programmed time on the **CT** relates to the coin of least value; the

Art.187-10
CT10w Timer 1 shower with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 3,4kg.

Art.187-20
CT20w Timer 2 showers with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 3,6kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-20
Solenoid valve, 12Vdc 8W max, G1/2 Female-Female, ISO-228
Size: 6x4xH10cm. - Weight: 0,50kg.

Art.199-27
Water Y-Strainer, size 1/2, female-female, ISO-228
Size: 6x3x5cm. - Weight: 0,15kg.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.

Articles needed for completion of a shower system

• **Solenoid valve 12Vdc 8Watt max.**
It should be inserted in the tubing or the shower spout so as to control the opening of water. Since the timer provides a 12Vdc output voltage for controlling the solenoid valve, it is therefore not necessary to purchase a power supply device for this valve. Use a common solenoid valve with 12Vdc solenoid (in direct current) and maximum absorption of 8 Watts.
If you are not in possession of such a solenoid valve, the following article can be purchased:
Art.199-20 Solenoid valve 12Vdc 8W max, G1/2" Female-Female, ISO-228.

• **Water Strainer (optional)**
Permits the filtering of impurities and particles present in the water. Its installation is advised for increasing the duration of the solenoid valve**,**
Art.199-27 Water Y-Strainer, size 1/2", female-female, ISO-228.

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2). Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside locations.
Very easy fastening, via 2 screws only, on all **CT** models.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

CT11, CT21

Coin, token and prepaid card operated Acceptors/Timers for 1-2 services. Version with electronic coin acceptor and RFID prepaid card contactless readers.

Uses OLED graphic display.

art.182-11 **CT11** - for 1 service (photo)
art.182-21 **CT21** - for 2 services (photo)

Useful for: lights for playing fields, internet terminals, electronic games, washing machines, vacuums, solariums, air conditioners for seaside establishments, treadmills, etc. For showers or water service please see models CT11w and CT21w .

- **Insert coins or tokens, or place the prepaid carts, wristbands or key rings next to the RFID reader to activate the electrical devices you wish to manage.**
- **Relay 10A**. Allows for a maximum electrical load of 2300VA with 230V, or 1150VA with 115V. The contact can also be used for closing low voltages or command signals.
- The **time** of service (closing of the relay) can be easily adjusted from 1 second to 24 hours.
- **Accumulation of time** feature possible. If enabled, the service time available can be increased (max. 48 hours) by inserting coins or tokens, or by placing the TAGs/transponders next to the RFID reader more than once. If feature is disabled, no increase of available time can be effectuated: coins or tokens will be returned from the the Coin Acceptor and no credit adjustment in the RFID TAGs will occur.
- It is possible to **delay the start of service**; this is useful when the customer needs more time before accessing the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (Italian, English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the service. The maximum time for a pause can be adjusted.
- The **automatic pause** function temporarily interrupts the supply of water. It may be used to inform customers of the end of service.
- The function **end of service notice** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half (except on the **CT11** which already has 2 outlets).
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- **Coins inserted when the CT is not in service will be rejected** and returned, thereby preventing disputes from customers.
- The **CT use an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the **CT** will accept. As an option (see OPTIONS) the **CT** can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
- The **RFID reader** allows for payment of services through the decrement of costs, and displays any remaining credit in the TAG/transponder. The code set by the administrator ensures that the payment system is safe. All TAG/transponders use RFID contactless technology without magnetic strips.
- The system requires a dedicated programmer (**Art. 193-01 CARDWRITER-01**) to load and zero the amount of the TAG/transponders. The totalizers allow for the verification of the amounts allocated.
- **Sturdy metal container,** with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (International protection rating IP34) and/or with **stainless steel container**.
- **Large coin drawer** that can hold circa 400-500 coins/tokens.
- **Size and weight**: height 26 cm, width 22.5 cm, length 14 cm, weight 3.1 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
- **Power supply**: 100-240V, 0.35A, 50-60 Hz.
- **Warranty**: 2 years (info).

Art.182-11
CT11 Timer 1 service with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 3.4kg.

Art.182-21
CT21 Timer 2 services with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 3.5kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

OPTIONS (can be selected after adding article to basket)

• **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
• **Electronic multi-coin Acceptor.**(photo) Useful for allowing the **CT** to accept up to 6 different types of coins. The operator can programme the coins by inserting each type of coin repeatedly. The programmed time on the **CT** relates to the coin of least value; the other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.
• **Protection from rain and splashing water.**(photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2). Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside locations.
Very easy fastening, via 2 screws only, on all **CT** models.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

CT11w, CT21w

Coin, token and prepaid card operated Acceptors/Timers for 1-2 showers.Version with electronic coin acceptor and RFID prepaid card contactless readers.

Uses OLED graphic display.

art.187-11 **CT11w** - for 1 shower (photo)
art.187-21 **CT21w** - for 2 showers (photo)

- **Introduce coins or tokens, or place prepaid cards, wristbands or key rings next to the RFID reader to activate the solenoid valves.**
- Includes a 12Vdc output for **direct activation of a solenoid valves**, which must be purchased separately (art. 199-20).
- The **time of service** (closing of the relay) can be easily adjusted from 1 second to 24 hours.
- **Accumulation of time** feature possible. If enabled, the service time available can be increased (max. 48 hours) by inserting coins or tokens, or by placing the TAGs/transponders next to the RFID reader more than once. If feature is disabled, no increase of available time can be effectuated: coins or tokens will be returned from the the Coin Acceptor and no credit adjustment in the RFID TAGs will occur.
- It is possible to **delay the start of service**, in order to save water prior to using the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the supply of water and regulate the pauses for lathering. The maximum time for a pause can be adjusted.
- The funtion "**end of water notice**" (automatic pause) causes a brief interruption of water to occur. This is useful for warning the customer of the remaining time available and for allowing sufficient time to finish bathing.
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- **Coins inserted when the CT is not in service will be rejected** and returned, thereby preventing disputes from customers.
- The **CT uses an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the **CT** will accept. As an option (see OPTIONS) the **CT** can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
- The function **"end of service notice"** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half (except on the **CT11w** which already has 2 outlets).
- The **RFID reader** allows for payment of services through the decrement of costs, and displays any remaining credit in the TAG/transponder. The code set by the administrator ensures that the payment system is safe. All TAG/transponders use RFID contactless technology without magnetic strips.
- The system requires a dedicated programmer (**Art. 193-01 CARDWRITER-01**) to load and zero the amount of the TAG/transponders. The totalizers allow for the verification of the amounts allocated.
- **Sturdy metal container**, with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (international protection rating IP34) and/or with **stainless steel container**.
- **Large coin drawer** that can hold circa 400-500 coins/tokens.
- **Size and weight**: height 26 cm, width 22.5 cm, length 14 cm, weight 3.1 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
- **Power supply**: 100-240V, 0.35A, 50-60 Hz. As an option, the 12Vdc version with power supply is also available (see OPTIONS).
- **Warranty**: 2 years (info).

Art.187-11
CT11w Timer 1 shower with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 3.4kg.

Art.187-21
CT21w Timer 2 showers with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 3.6kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-20
Solenoid valve, 12Vdc 8W max, G1/2 Female-Female, ISO-228
Size: 6x4xH10cm. - Weight: 0,50kg.

Art.199-27
Water Y-Strainer, size 1/2, female-female, ISO-228
Size: 6x3x5cm. - Weight: 0,15kg.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

OPTIONS (can be selected after adding article to basket)

• **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
• **Protection from rain and splashing water.** (photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.
• **Power supply 12Vdc.** Power supply device 12Vcc is useful when the CT is installed in places where it is obligatory to use a safety extra-low voltage (SELV). It comes furnished with its own power supply with a 12Vdc output and a 100-240V input, and should be installed in a place where the use of such voltage is permitted.
• **Electronic multi-coin Acceptor.**(photo) Useful for allowing the **CT** to accept up to 6 different types of coins. The operator can programme the coins by inserting each type of coin repeatedly. The programmed time on the **CT** relates to the coin of least value; the other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.

Articles needed for completion of a shower system

• **Solenoid valve 12Vdc 8Watt max.**
It should be inserted in the tubing or the shower spout so as to control the opening of water. Since the timer provides a 12Vdc output voltage for controlling the solenoid valve, it is therefore not necessary to purchase a power supply device for this valve. Use a common solenoid valve with 12Vdc solenoid (in direct current) and maximum absorption of 8 Watts.
If you are not in possession of such a solenoid valve, the following article can be purchased:
Art.199-20 Solenoid valve 12Vdc 8W max, G1/2" Female-Female, ISO-228.

• **Water Strainer (optional)**
Permits the filtering of impurities and particles present in the water. Its installation is advised for increasing the duration of the solenoid valve**,**
Art.199-27 Water Y-Strainer, size 1/2", female-female, ISO-228.

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2). Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside locations.
Very easy fastening, via 2 screws only, on all **CT** models.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

CT12, CT22

Prepaid card Timers for 1 or 2 services. Version with RFID contactless reader.

Uses OLED graphic display.

art.182-12 **CT12** - for 1 service (photo)
art.182-22 **CT22** - for 2 services (photo)

Useful for: lights for playing fields, internet terminals, electronic games, washing machines, vacuums, solariums, air conditioners for seaside establishments, treadmills, etc. For showers or water service please see models CT12w and CT22w .

- **Place the prepaid cards, wristbands or key rings next to the RFID reader to activate the electrical devices you wish to manage.**
- **Relay 10A**. Allows for a maximum electrical load of 2300VA with 230V, or 1150VA with 115V. The contact can also be used for closing low voltages or command signals.
- The **time of service** (closing of the relay) can be easily adjusted from 1 second to 24 hours.
- **Accumulation of time** feature possible. If enabled, the service time available can be increased (max. 48 hours) by placing the TAG/transponders next to te RFID reader more than once. If feature is disabled, no increase of available time can be effectuated and no credit adjustment in the RFID TAGs will occur.
- It is possible to **delay the start of service**. This is useful when the customer needs more time before accessing the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (Italian, English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the service. The maximum time for a pause can be adjusted.
- The **automatic pause** function temporarily interrupts the supply of water. It may be used to inform customers of the end of service.
- The function **end of service notice** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half (except on the **CT12** which already has 2 outlets).
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- The **RFID reader** allows for payment of services through the decrement of costs, and displays any remaining credit in the TAG/transponder. The code set by the administrator ensures that the payment system is safe. All TAG/transponders use RFID contactless technology without magnetic strips.
- The system requires a dedicated programmer (**Art. 193-01 CARDWRITER-01**) to load and zero the amount of the TAG/transponders. The totalizers allow for the verification of the amounts allocated.
- **Sturdy metal container,** with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (International protection rating IP34) and/or with **stainless steel container**.
- **Size and weight**: height 26 cm, width 22.5 cm, length 14 cm, weight 3.1 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
- **Power supply**: 100-240V, 0.35A, 50-60 Hz.
- **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

- **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
- **Protection from rain and splashing water.** (photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Water resistant lock.
2. Washers for door mechanism.

Art.182-12
CT12 Timer 1 service with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 2.9kg.

Art.182-22
CT22 Timer 2 services with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 3kg.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

CT12w, CT22w

Prepaid card Timers for 1 or 2 showers.

Version with RFID contactless reader.

Uses OLED graphic display.

art.187-12 **CT12w** - for 1 shower (photo)
art.187-22 **CT22w** - for 2 showers (photo)

• **Place the prepaid cards, wristbands or key rings on the RFID reader to activate the solenoid valves.**
• Includes a 12Vdc output for **direct activation of a solenoid valves**, which must be purchased separately (art. 199-20).
• The **time of service** (closing of the relay) can be easily adjusted from 1 second to 24 hours.
• **Accumulation of time** feature possible. If enabled, the service time available can be increased (max. 48 hours) by placing the TAG/transponders more than once. If feature is disabled, no increase of available time can be effectuated and no credit adjustment in the RFID TAGs will occur.
• It is possible to **delay the start of service**, in order to save water prior to using the service.
• A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
• **Multilingual**: There are 5 languages to choose from (English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
• **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the supply of water and regulate the pauses for lathering. The maximum time for a pause can be adjusted.
• The funtion "**end of water notice**" (automatic pause) causes a brief interruption of water to occur. This is useful for warning the customer of the remaining time available and for allowing sufficient time to finish bathing.
• **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
• The function **"end of service notice"** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half (except on the **CT12w** which already has 2 outlets).
• The **RFID reader** allows for payment of services through the decrement of costs, and displays any remaining credit in the TAG/transponder. The code set by the administrator ensures that the payment system is safe. All TAG/transponders use RFID contactless technology without magnetic strips.
• The system requires a dedicated programmer (**Art. 193-01 CARDWRITER-01**) to load and zero the amount of the TAG/transponders. The totalizers allow for the verification of the amounts allocated.
• **Sturdy metal container**, with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (international protection rating IP34) and/or with **stainless steel container**.
• **Size and weight**: height 26 cm, width 22.5 cm, length 14 cm, weight 3.1 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
• **Power supply**: 100-240V, 0.35A, 50-60 Hz. As an option, the 12Vdc version with power supply is also available (see OPTIONS).
• **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

• **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.

• **Protection from rain and splashing water.** (photo)
International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Water resistant lock.
2. Washers for door mechanism.
• **Power supply 12Vdc.** Power supply device 12Vcc is useful when the CT is installed in places where it is obligatory to use a safety extra-low voltage (SELV). It comes furnished with its own power supply with a 12Vdc output and a 100-240V input, and should be installed in a place where the use of such voltage is permitted.

Art.187-12
CT12w Timer 1 shower with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 2.9kg.

Art.187-22
CT22w Timer 2 showers with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 3.1kg.

Art.199-20
Solenoid valve, 12Vdc 8W max, G1/2 Female-Female, ISO-228
Size: 6x4xH10cm. - Weight: 0,50kg.

Art.199-27
Water Y-Strainer, size 1/2, female-female, ISO-228
Size: 6x3x5cm. - Weight: 0,15kg.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Articles needed for completion of a shower system

• **Solenoid valve 12Vdc 8Watt max.**
It should be inserted in the tubing or the shower spout so as to control the opening of water. Since the timer provides a 12Vdc output voltage for controlling the solenoid valve, it is therefore not necessary to purchase a power supply device for this valve. Use a common solenoid valve with 12Vdc solenoid (in direct current) and maximum absorption of 8 Watts.
If you are not in possession of such a solenoid valve, the following article can be purchased:
Art.199-20 Solenoid valve 12Vdc 8W max, G1/2" Female-Female, ISO-228.

• **Water Strainer (optional)**
Permits the filtering of impurities and particles present in the water. Its installation is advised for increasing the duration of the solenoid valve**,**
Art.199-27 Water Y-Strainer, size 1/2", female-female, ISO-228.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

CT1w - Coin Acceptor 1 shower

(art.185-10)

Coin or Token Timer for 1 shower or water supply.

- **Power supply**: 100-240V, 0.35A, 50-60 Hz. As an option, the 12Vdc version with power supply is also available (see OPTIONS).
- It provides a 12Vdc output for **direct activation of a solenoid valve,** which must be purchased separately (art.199-20).
- The **time of service** (closing of the relay) can be easily adjusted from 15 seconds to 6 hours for each coin/token inserted.
- Upon inserting a coin it is possible to **delay the start of service** from 0 to 60 seconds, so as to save water prior to using the service.
- It is possible to activate the signal "**end of water notice**" which causes the flow of water to be interrupted for 2 to 60 seconds prior to the end of service. It is useful for alerting the customer to the remaining time available and allowing them to finish bathing.
- A **signal light** (LED) on the front of the Acceptor indicates when the service is in use.
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- **Coins inserted when the CT1w is not in service will be rejected** and returned, thereby preventing disputes from customers.
- The CT1w **uses an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the CT1w will accept. As an option (see OPTIONS) the CT1w can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
- A **special internal button** (LOAD ON/OFF) allows for the manual activation/deactivation of the service to facilitate the proper functioning of the device.
- Optional **accumulation of time** feature. If this feature is activated, inserting more coins will increase the time of service (maximum 30 hours). If deactivated, coins inserted during service will be rejected and returned, thereby preventing disputes from customers.
- **Sturdy metal container**, with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the CT1w can be furnished with protection from rain and water (international protection rating IP34) and/or with **stainless steel container**.
- **Large coin drawer** that can hold circa 500 coins/tokens.
- **Size and weight**: height 26 cm, width 22.5 cm, length 14 cm, weight 3.5kg. The small dimensions of the article reduce bulkiness and make it more aesthetically pleasing.
- **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

- **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
- **Protection from rain and splashing water.**(photo) Ingress protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.
- **Power supply 12Vdc.** Power supply device 12Vcc is useful when the CT1w is installed in places where it is obligatory to use a safety extra-low voltage (SELV). It comes furnished with its own power supply with a 12Vdc output and a 100-240V input, and should be installed in a place where the use of such voltage is permitted.
- **Electronic multi-coin Acceptor.**(photo) Useful for allowing the CT1w to accept up to 6 different types of coins. The operator can programme the coins by inserting each type of coin repeatedly. The programmed time on the CT1w relates to the coin of least value; the other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.

Articles needed for completion of a shower system

- **Solenoid valve 12Vdc 8Watt max.**

It should be inserted in the tubing or the shower spout so as to control the opening of water. Since the timer provides a 12Vdc

Art.185-10
CT1w Coin Acceptor 1 shower, without display
Size: H26x22,5x14cm. - Weight: 3,2kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-20
Solenoid valve, 12Vdc 8W max, G1/2 Female-Female, ISO-228
Size: 6x4xH10cm. - Weight: 0,50kg.

Art.199-27
Water Y-Strainer, size 1/2, female-female, ISO-228
Size: 6x3x5cm. - Weight: 0,15kg.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

output voltage for controlling the solenoid valve, it is therefore not necessary to purchase a power supply device for this valve.
Use a common solenoid valve with 12Vdc solenoid (in direct current) and maximum absorption of 8 Watts.
If you are not in possession of such a solenoid valve, the following article can be purchased:
Art.199-20 Solenoid valve 12Vdc 8W max, G1/2" Female-Female, ISO-228

- **Water Strainer (optional)**

Permits the filtering of impurities and particles present in the water. Its installation is advised for increasing the duration of the solenoid valve.
Art.199-27 Water Y-Strainer, size 1/2", female-female, ISO-228

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2). Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside locations.
Very easy fastening, via 2 screws only, on all CT models.

Acceptor/Timer for 4-6-8 services

Coin or token operated Acceptor for 4-6-8 pay timed services.

art.182-40 **CT40** - for 4 services (photo)
art.182-60 **CT60** - for 6 services (photo)
art.182-80 **CT80** - for 8 services (photo)

Useful for: lights for playing fields, internet terminals, electronic games, washing machines, vacuums, solariums, air conditioners for seaside establishments, treadmills, etc. For showers or water services please see models CT40w , CT60w and CT80w .

- **The introduction of coins/tokens closes the relay contacts** to which the electrical load to be controlled must be connected.
- The **CT** includes a separate **relay unit.** In this way the **CT** can be placed in a convenient location for service customers. The **relay unit** can be placed so as to reduce the length of electrical cables to the services.
- **Relay 10A**. Allows for a maximum electrical load of 2300VA with 230V, or 1150VA with 115V. The contact can also be used for closing low voltages or command signals.
- The **time** of service (closing of the relay) can be easily adjusted from 1 second to 24 hours for each coin/token inserted.
- Optional **accumulation of time** feature. If this feature is activated, inserting more coins will increase the time of service (maximum 48 hours). If deactivated, coins inserted during service will be rejected and returned, thereby preventing disputes from customers.
- It is possible to **delay the start of service** once coins have been inserted. This is useful when the customer needs more time before accessing the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (Italian, English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the service. The maximum time for a pause can be adjusted.
- The **automatic pause** function temporarily interrupts the supply of water. It may be used to inform customers of the end of service.
- The function **end of service notice** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half.
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- **Coins inserted when the CT is not in service will be rejected** and returned, thereby preventing disputes from customers.
- The **CT use an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the **CT** will accept. As an option (see OPTIONS) the **CT** can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
- **Sturdy metal container,** with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (International protection rating IP34) and/or with **stainless steel container**.
- **Large coin drawer** that can hold circa 400-500 coins/tokens.
- **Size and weight of CT:** height 26 cm, width 22.5 cm, depth 14 cm, 4.3 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
- **Size and weight of relay unit:** height 19.5 cm, width 24.5 cm, depth 9.5 cm, weight 1.0 kg.
- **Power supply CT:** 100-240V, 0.35A, 50-60 Hz.
- **Power supply relay unit:** 100-240V, 2.5A, 50-60 Hz.
- **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

- **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
- **Electronic multi-coin Acceptor.** (photo) Useful for allowing the **CT** to accept up to 6 different types of coins. The operator can

Art.182-40
CT40 Timer 4 services with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 4,3kg.

Art.182-60
CT60 Timer 6 services with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 4,4kg.

Art.182-80
CT80 Timer 8 services with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 4.4kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

programme the coins by inserting each type of coin repeatedly. The programmed time on the **CT** relates to the coin of least value; the other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.

• **Protection from rain and splashing water.**(photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:

1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2). Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside locations.
Very easy fastening, via 2 screws only, on all **CT** models.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

CT40w - CT60w - CT80w

Acceptor/Timer for 4-6-8 showers or water supplies.

Coin or Token Timer.

art.187-40 **CT40w** - for 4 showers (photo)
art.187-60 **CT60w** - for 6 showers (photo)
art.187-80 **CT80w** - for 8 showers (photo)

- Includes a 12Vdc output for **direct activation of a solenoid valves**, which must be purchased separately (art. 199-20).
- The **CT** includes a separate **relay unit.** In this way the **CT** can be placed in a convenient location for service customers. The **relay unit** can be positioned so as to reduce the length of electrical cables to the showers.
- The time of service (closing of the relay) can be easily adjusted from 1 second to 24 hours for each coin/token inserted.
- It is possible to **delay the start of service** once coins have been inserted, in order to save water prior to using the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the supply of water and regulate the pauses for lathering. The maximum time for a pause can be adjusted.
- The funtion "**end of water notice**" (automatic pause) causes a brief interruption of water to occur. This is useful for warning the customer of the remaining time available and for allowing sufficient time to finish bathing.
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- **Coins inserted when the CT is not in service will be rejected** and returned, thereby preventing disputes from customers.
- The **CT uses an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the **CT** will accept. As an option (see OPTIONS) the **CT** can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
- Optional **accumulation of time** feature. If this feature is activated, inserting more coins will increase the time of service (maximum 48 hours). If deactivated, coins inserted during service will be rejected and returned, thereby preventing disputes from customers.
- The function **"end of service notice"** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half.
- **Sturdy metal container**, with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (international protection rating IP34) and/or with **stainless steel container**.
- **Large coin drawer** that can hold circa 400-500 coins/tokens.
- **Size and weight of CT:** height 26 cm, width 22.5 cm, depth 14 cm, 5.2 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
- **Size and weight of relay unit:** height 30 cm, width 23.5 cm, depth 12.5 cm, weight 1.9 kg.
- **Power supply CT:** 100-240V, 0.35A, 50-60 Hz. As an option, the 12Vdc version with power supply is also available (see OPTIONS).
- **Power supply relay unit:** 100-240V, 2.5A, 50-60 Hz.
- **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

- **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
- **Protection from rain and splashing water.** (photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.
- **Power supply 12Vdc.** Power supply device 12Vcc is useful when

Art.187-40
CT40w Timer 4 showers with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 5.2kg.

Art.187-60
CT60w Timer 6 showers with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 5.3kg.

Art.187-80
CT80w Timer 8 showers with Coin Acceptor
Size: H26x22,5x14cm. - Weight: 5.3kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-20
Solenoid valve, 12Vdc 8W max, G1/2 Female-Female, ISO-228
Size: 6x4xH10cm. - Weight: 0,50kg.

Art.199-27
Water Y-Strainer, size 1/2, female-female, ISO-228
Size: 6x3x5cm. - Weight: 0,15kg.

the CT is installed in places where it is obligatory to use a safety extra-low voltage (SELV). It comes furnished with its own power supply with a 12Vdc output and a 100-240V input, and should be installed in a place where the use of such voltage is permitted.
• **Electronic multi-coin Acceptor.** (photo) Useful for allowing the **CT** to accept up to 6 different types of coins. The operator can programme the coins by inserting each type of coin repeatedly. The programmed time on the **CT** relates to the coin of least value; the other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.

Articles needed for completion of a shower system

• **Solenoid valve 12Vdc 8Watt max.**
It should be inserted in the tubing or the shower spout so as to control the opening of water. Since the timer provides a 12Vdc output voltage for controlling the solenoid valve, it is therefore not necessary to purchase a power supply device for this valve.Use a common solenoid valve with 12Vdc solenoid (in direct current) and maximum absorption of 8 Watts.
If you are not in possession of such a solenoid valve, the following article can be purchased:
Art.199-20 Solenoid valve 12Vdc 8W max, G1/2" Female-Female, ISO-228.

• **Water Strainer (optional)**
Permits the filtering of impurities and particles present in the water. Its installation is advised for increasing the duration of the solenoid valve,
Art.199-27 Water Y-Strainer, size 1/2", female-female, ISO-228.

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2**).** Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside locations.
Very easy fastening, via 2 screws only, on all **CT** models.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

CT41, CT61, CT81

Coin, token and prepaid card operated Acceptors/Timers for 4-6-8 services.Version with electronic coin acceptor and RFID prepaid card contactless readers.

Uses OLED graphic display.

art.182-41 **CT41** - for 4 services (photo)
art.182-61 **CT61** - for 6 services (photo)
art.182-81 **CT81** - for 8 services (photo)

Useful for: lights for playing fields, internet terminals, electronic games, washing machines, vacuums, solariums, air conditioners for seaside establishments, treadmills, etc. For showers or water services please see models CT41w, CT61w and CT81w .

- **Insert coins or tokens, or place the prepaid carts, wristbands or key rings on the RFID reader to activate the electrical devices you wish to manage.**
- The **CT** includes a separate **relay unit.** In this way the **CT** can be placed in a convenient location for service customers. The **relay unit** can be placed so as to reduce the length of electrical cables to the services.
- **Relay 10A**. Allows for a maximum electrical load of 2300VA with 230V, or 1150VA with 115V. The contact can also be used for closing low voltages or command signals.
- The **time** of service (closing of the relay) can be easily adjusted from 1 second to 24 hours.
- **Accumulation of time** feature possible. If enabled, the service time available can be increased (max. 48 hours) by inserting coins or tokens, or by placing the TAGs/transponders more than once. If feature is disabled, no increase of available time can be effectuated: coins or tokens will be returned from the Coin Acceptor and no credit adjustment in the RFID TAGs will occur.
- It is possible to **delay the start of service**. This is useful when the customer needs more time before accessing the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (Italian, English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the service. The maximum time for a pause can be adjusted.
- The **automatic pause** function temporarily interrupts the supply of water. It may be used to inform customers of the end of service.
- The function **end of service notice** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half.
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- **Coins inserted when the CT is not in service will be rejected** and returned, thereby preventing disputes from customers.
- The **CT use an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the **CT** will accept. As an option (see OPTIONS) the **CT** can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
- The **RFID reader** allows for payment of services through the decrement of costs, and displays any remaining credit in the TAG/transponder. The code set by the administrator ensures that the payment system is safe. All TAG/transponders use RFID contactless technology without magnetic strips.
- The system requires a dedicated programmer (**Art. 193-01 CARDWRITER-01**) to load and zero the amount of the TAG/transponders. The totalizers allow for the verification of the amounts allocated.
- **Sturdy metal container,** with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (International protection rating IP34) and/or with **stainless steel container**.
- **Large coin drawer** that can hold circa 400-500 coins/tokens.
- **Size and weight of CT:** height 26 cm, width 22.5 cm, depth 14 cm, 4.3 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.

Art.182-41
CT41 Timer 4 services with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 4.3kg.

Art.182-61
CT61 Timer 6 services with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 4.4kg.

Art.182-81
CT81 Timer 8 services with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 4.4kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

• **Size and weight of relay unit:** height 19.5 cm, width 24.5 cm, depth 9.5 cm, weight 1.0 kg.
• **Power supply CT:** 100-240V, 0.35A, 50-60 Hz.
• **Power supply relay unit:** 100-240V, 2.5A, 50-60 Hz.
• **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

• **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
• **Electronic multi-coin Acceptor.** (photo) Useful for allowing the **CT** to accept up to 6 different types of coins. The operator can programme the coins by inserting each type of coin repeatedly. The programmed time on the **CT** relates to the coin of least value; the other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.
• **Protection from rain and splashing water.**(photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2). Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside locations.
Very easy fastening, via 2 screws only, on all **CT** models.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

CT41w, CT61w, CT81w

Coin, token and prepaid card operated Acceptors/Timers for 4-6-8 showers. Version with electronic coin acceptor and RFID prepaid card contactless readers.

Uses OLED graphic display.

art.187-41 **CT41w** - for 4 showers (photo)
art.187-61 **CT61w** - for 6 showers (photo)
art.187-81 **CT81w** - for 8 showers (photo)

- **Introduce coins or tokens, or place prepaid cards, wristbands or key rings on the RFID reader to activate the solenoid valves.**
- Includes a 12Vdc output for **direct activation of a solenoid valves**, which must be purchased separately (art. 199-20).
- The **CT** includes a separate **relay unit.** In this way the **CT** can be placed in a convenient location for service customers. The **relay unit** can be positioned so as to reduce the length of electrical cables to the showers.
- The time of service (closing of the relay) can be easily adjusted from 1 second to 24 hours.
- Accumulation of time feature possible. If enabled, the service time available can be increased (max. 48 hours) by inserting coins or tokens, or by placing the TAGs/transponders more than once. If feature is disabled, no increase of available time can be effectuated: coins or tokens will be returned from the Coin Acceptor and no credit adjustment in the RFID TAGs will occur.
- It is possible to **delay the start of service**, in order to save water prior to using the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the supply of water and regulate the pauses for lathering. The maximum time for a pause can be adjusted.
- The funtion "**end of water notice**" (automatic pause) causes a brief interruption of water to occur. This is useful for warning the customer of the remaining time available and for allowing sufficient time to finish bathing.
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- **Coins inserted when the CT is not in service will be rejected** and returned, thereby preventing disputes from customers.
- The **CT uses an electronic comparable coin Acceptor** which is easily programmable to accept any type of coin or token. Simply place a sample coin or token in the appropriate slot of the Acceptor and the coin/token will serve as a reference for all other coins/tokens inserted. It is easy then to change the type of coin that the **CT** will accept. As an option (see OPTIONS) the **CT** can also come with an **electronic multi-coin Acceptor**, useful for accepting various types of coins at the same time. For more information see OPTIONS.
- The function **"end of service notice"** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half.
- The **RFID reader** allows for payment of services through the decrement of costs, and displays any remaining credit in the TAG/transponder. The code set by the administrator ensures that the payment system is safe. All TAG/transponders use RFID contactless technology without magnetic strips.
- The system requires a dedicated programmer (**Art. 193-01 CARDWRITER-01**) to load and zero the amount of the TAG/transponders. The totalizers allow for the verification of the amounts allocated.
- **Sturdy metal container**, with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (international protection rating IP34) and/or with **stainless steel container**.
- **Large coin drawer** that can hold circa 400-500 coins/tokens.
- **Size and weight of CT**: height 26 cm, width 22.5 cm, length 14 cm, weight 5.2 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
- **Size and weight of relay unit:** height 30 cm, width 23.5 cm, depth 12.5 cm, weight 1.9 kg.
- **Power supply CT**: 100-240V, 0.35A, 50-60 Hz. As an option, the 12Vdc version with power supply is also available (see OPTIONS).

Art.187-41
CT41w Timer 4 showers with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 5.2kg.

Art.187-61
CT61w Timer 6 showers with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 5.3kg.

Art.187-81
CT81w Timer 8 showers with Coin and RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 5.3kg.

Art.R200-2
TOKEN monometallic
Size: diam. 26.6mm, spess. 2mm -- cm. - Weight: 0.0085kg.

Art.199-20
Solenoid valve, 12Vdc 8W max, G1/2 Female-Female, ISO-228
Size: 6x4xH10cm. - Weight: 0,50kg.

Art.199-27
Water Y-Strainer, size 1/2, female-female, ISO-228
Size: 6x3x5cm. - Weight: 0,15kg.

• **Power supply relay unit:** 100-240V, 2.5A, 50-60 Hz.
• **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

• **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
• **Protection from rain and splashing water.** (photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Sturdy cover for coin acceptor (photo), as art.199-30.
2. Water resistant lock.
3. Washers for door mechanism.
• **Power supply 12Vdc.** Power supply device 12Vcc is useful when the CT is installed in places where it is obligatory to use a safety extra-low voltage (SELV). It comes furnished with its own power supply with a 12Vdc output and a 100-240V input, and should be installed in a place where the use of such voltage is permitted.
• **Electronic multi-coin Acceptor.**(photo) Useful for allowing the **CT** to accept up to 6 different types of coins. The operator can programme the coins by inserting each type of coin repeatedly. The programmed time on the **CT** relates to the coin of least value; the other 5 coins must have a multiple value of this. It is also possible to allow the Acceptor to accept two different coins (or one coin and one token) of the same value.

Articles needed for completion of a shower system

• **Solenoid valve 12Vdc 8Watt max.**
It should be inserted in the tubing or the shower spout so as to control the opening of water. Since the timer provides a 12Vdc output voltage for controlling the solenoid valve, it is therefore not necessary to purchase a power supply device for this valve. Use a common solenoid valve with 12Vdc solenoid (in direct current) and maximum absorption of 8 Watts.
If you are not in possession of such a solenoid valve, the following article can be purchased:
Art.199-20 Solenoid valve 12Vdc 8W max, G1/2" Female-Female, ISO-228.

• **Water Strainer (optional)**
Permits the filtering of impurities and particles present in the water. Its installation is advised for increasing the duration of the solenoid valve**,**
Art.199-27 Water Y-Strainer, size 1/2", female-female, ISO-228.

Optional articles (not included)

Art.199-30 Cover for Coin Acceptor (photo1, photo2). Sturdy steel protection case with powder coating and cataphoresis painting, and with transparent polycarbonate window. The cover is used for protecting the coin acceptor from splashing water or sand at seaside locations.
Very easy fastening, via 2 screws only, on all **CT** models.

Art.199-30
Cover for Coin Acceptor
Size: H13.2x6.8x2.4cm. - Weight: 0,16kg.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

CT42, CT62, CT82 Prepaid card Timers for 4-6-8 services.Version with RFID contactless reader.Uses OLED graphic display.

art.182-42 **CT42** - for 4 services (photo)
art.182-62 **CT62** - for 6 services (photo)
art.182-82 **CT82** - for 8 services (photo)

Useful for: lights for playing fields, internet terminals, electronic games, washing machines, vacuums, solariums, air conditioners for seaside establishments, treadmills, etc. For showers or water services please see models CT42w , CT62w , CT82w.

- **Place the prepaid cards, wristbands or key rings on the RFID reader to activate the electrical devices you wish to manage.**
- The **CT** includes a separate **relay unit.** In this way the **CT** can be placed in a convenient location for service customers. The **relay unit** can be placed so as to reduce the length of electrical cables to the services.
- **Relay 10A**. Allows for a maximum electrical load of 2300VA with 230V, or 1150VA with 115V. The contact can also be used for closing low voltages or command signals.
- The **time** of service (closing of the relay) can be easily adjusted from 1 second to 24 hours.
- **Accumulation of time** feature possible. If enabled, the service time available can be increased (max. 48 hours) by placing the TAG/transponders more than once. If feature is disabled, no increase of available time can be effectuated and no credit adjustment in the RFID TAGs will occur.
- It is possible to **delay the start of service**; this is useful when the customer needs more time before accessing the service.
- A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
- **Multilingual**: There are 5 languages to choose from (Italian, English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
- **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the service. The maximum time for a pause can be adjusted.
- The **automatic pause** function temporarily interrupts the supply of water. It may be used to inform customers of the end of service.
- The function **end of service notice** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half.
- **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
- The **RFID reader** allows for payment of services through the decrement of costs, and displays any remaining credit in the TAG/transponder. The code set by the administrator ensures that the payment system is safe. All TAG/transponders use RFID contactless technology without magnetic strips.
- The system requires a dedicated programmer (**Art. 193-01 CARDWRITER-01**) to load and zero the amount of the TAG/transponders. The totalizers allow for the verification of the amounts allocated.
- **Sturdy metal container,** with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (International protection rating IP34) and/or with **stainless steel container**.
- **Size and weight of CT:** height 26 cm, width 22.5 cm, depth 14 cm, 4.3 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
- **Size and weight of relay unit:** height 19.5 cm, width 24.5 cm, depth 9.5 cm, weight 1.0 kg.
- **Power supply CT:** 100-240V, 0.35A, 50-60 Hz.
- **Power supply relay unit:** 100-240V, 2.5A, 50-60 Hz.
- **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

- **Stainless steel container.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
- **Protection from rain and splashing water.**(photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing

Art.182-42
CT42 Timer 4 services with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 3.8kg.

Art.182-62
CT62 Timer 6 services with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 3.9kg.

Art.182-82
CT82 Timer 8 services with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 3.9kg.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

water can reach them. Protection includes:
1. Water resistant lock.
2. Washers for door mechanism.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

CT42w, CT62w, CT82w

Prepaid card Timers for 4-6-8 showers.Version with RFID contactless reader.

Uses OLED graphic display.

art.187-42 **CT42w** - for 4 showers (foto)
art.187-62 **CT62w** - for 6 showers (foto)
art.187-82 **CT82w** - for 8 showers (foto)

• **Place the prepaid cards, wristbands or key rings on the RFID reader to activate the solenoid valves.**
• Includes a 12Vdc output for **direct activation of a solenoid valves**, which must be purchased separately (art. 199-20).
• The **CT** includes a separate **relay unit.** In this way the **CT** can be placed in a convenient location for service customers. The **relay unit** can be positioned so as to reduce the length of electrical cables to the showers.
• It is possible to **delay the start of service**, in order to save water prior to using the service.
• **Accumulation of time** feature possible. If enabled, the service time available can be increased (max. 48 hours) by placing the TAG/transponders more than once. If feature is disabled, no increase of available time can be effectuated and no credit adjustment in the RFID TAGs will occur.
• A **light display** (OLED) helps to illuminate the cost of the service when in use, the remaining time, and facilitates configuration.
• **Multilingual**: There are 5 languages to choose from (English, French, Spanish, German), facilitating easier comprehension of product instructions and use.
• **Start/Pause buttons** can be connected externally, enabling the customer to activate or stop the supply of water and regulate the pauses for lathering. The maximum time for a pause can be adjusted.
• The funtion "**end of water notice**" (automatic pause) causes a brief interruption of water to occur. This is useful for warning the customer of the remaining time available and for allowing sufficient time to finish bathing.
• **The counting time is memorized** in case power supply is interrupted and will automatically resume when power is restored. This prevents the time from being reset when brief interruptions occur and from any ensuing complaints.
• The function **"end of service notice"** utilizes a special output to warn customers of the end of service without interrupting the service. In this mode every **CT** service occupies 2 outputs (relay), reducing the number of available services by half.
• The **RFID reader** allows for payment of services through the decrement of costs, and displays any remaining credit in the TAG/transponder. The code set by the administrator ensures that the payment system is safe. All TAG/transponders use RFID contactless technology without magnetic strips.
• The system requires a dedicated programmer (**Art. 193-01 CARDWRITER-01**) to load and zero the amount of the TAG/transponders. The totalizers allow for the verification of the amounts allocated.
• **Sturdy metal container**, with high resistant coating for outdoors (cataphoresis and powder). International protection rating IP30. As an option (see OPTIONS), the **CT** can be furnished with protection from rain and water (international protection rating IP34) and/or with **stainless steel container**.
• **Size and weight of CT:** height 26 cm, width 22.5 cm, depth 14 cm, 5.2 kg. The **small dimensions** of the article reduce bulkiness and make it more aesthetically pleasing.
• **Size and weight of relay unit:** height 30 cm, width 23.5 cm, depth 12.5 cm, weight 1.9 kg.
• **Power supply CT**: 100-240V, 0.35A, 50-60 Hz. As an option, the 12Vdc version with power supply is also available (see OPTIONS).
• **Power supply relay unit:** 100-240V, 2.5A, 50-60 Hz.
• **Warranty**: 2 years (info).

OPTIONS (can be selected after adding article to basket)

• **Stainless steel enclosure.** Useful in case the CT is installed in environments with harsh conditions such as humid, saline or hostile surroundings, seaside resorts or in the presence of possible splashing water or condensation.
• **Protection from rain and splashing water.** (photo) International protection rating IP34. This article is useful for uncovered outdoor installations or those situated where splashing water can reach them. Protection includes:
1. Water resistant lock.
2. Washers for door mechanism.
• **Power supply 12Vdc.** Power supply device 12Vcc is useful when

Art.187-42
CT42w Timer 4 showers with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 4.7kg.

Art.187-62
CT62w Timer 6 showers with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 4.8kg.

Art.187-82
CT82w Timer 8 showers with RFID Prepaid Card Acceptor
Size: H26x22,5x14cm. - Weight: 4.8kg.

Art.199-20
Solenoid valve, 12Vdc 8W max, G1/2 Female-Female, ISO-228
Size: 6x4xH10cm. - Weight: 0,50kg.

Art.199-27
Water Y-Strainer, size 1/2, female-female, ISO-228
Size: 6x3x5cm. - Weight: 0,15kg.

Art.199-45
START/STOP push-button IP65, protected against splashing water
Size: 6.8x6.8x5.3cm. - Weight: 0.17kg.

Art.199-50
RFID Prepaid Card
Weight: 0,005kg.

the CT is installed in places where it is obligatory to use a safety extra-low voltage (SELV). It comes furnished with its own power supply with a 12Vdc output and a 100-240V input, and should be installed in a place where the use of such voltage is permitted.

Articles needed for completion of a shower system

• **Solenoid valve 12Vdc 8Watt max.**
It should be inserted in the tubing or the shower spout so as to control the opening of water. Since the timer provides a 12Vdc output voltage for controlling the solenoid valve, it is therefore not necessary to purchase a power supply device for this valve. Use a common solenoid valve with 12Vdc solenoid (in direct current) and maximum absorption of 8 Watts.
If you are not in possession of such a solenoid valve, the following article can be purchased:
Art.199-20 Solenoid valve 12Vdc 8W max, G1/2" Female-Female, ISO-228.

• **Water Strainer (optional)**
Permits the filtering of impurities and particles present in the water. Its installation is advised for increasing the duration of the solenoid valve**,**
Art.199-27 Water Y-Strainer, size 1/2", female-female, ISO-228.

Art.199-52
RFID Prepaid Card - 500 pieces package
Weight: 2,700kg.

Art.199-55
RFID Key ring
Weight: 0,005kg.

Art.199-60
RFID Wristband
Weight: 0,012kg.

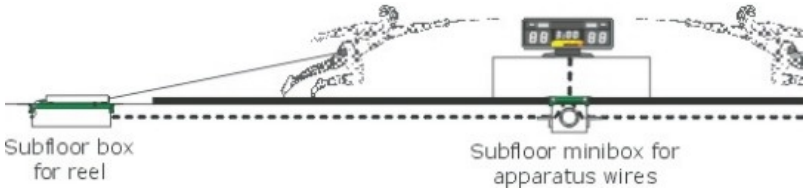
Art.193-01
CARDWRITER-01 - RFID Programmer
Size: 13,2x8,9x15,7cm. - Weight: 1,04kg.

Sub-floor minibox for apparatus wires

(Art.904A)

Sub-floor Minibox for apparatus cables for cable collection with sub-floor installation for fencing

- It is appropriate to place the subfloor mini-box in the center and between two pistes so it could be of use for both recording machines. If the cables which go out of the minibox and go to the apparatus have a length from 1.5 to 2.5 meters, when they are not used, they can be put back in the minibox avoiding to take them away. In this way, the minibox becomes more functional and the connectors inside it are not necessary. So the costs are decreased and connections reliability is increased.
- Sturdy cover made out in grey PVC.
- Total dimensions: 20 x 20 x 20cm. Total weight 1.2kg.



Art.904A
Sub-floor Minibox for apparatus cables
Size: 20x20x20cm. - Weight: 1.2kg.

Art.904
Sub-floor Box for the Millennium reel
Size: 45x45x12,5cm. - Weight: 5.3kg.

Case-700 art.308-10

Carrying case for Console-700.

Specifications

• Robust carrying case for Console-700 easy transport.

• It can contain other accessories, such as power supply unit-battery charger, additional consoles for 24/14/30 second shot clock and chronometer separate management, etc.

• Dimensions: 40x30x13.5cm

• Weight: 1.53kg

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

COIN-TIMER 3B,4B,9B,16B,22B

Coins or token Timer for billiard: control not only the electrical load (lights) but also the presence of the balls.

TECHNICAL DATA

- The COIN TIMER for pool **incorporates a container** (BOX) which contains the tray for the balls. The BOX opens in the moment when the money is inserted. At the end of the acquired time, if the tray with ALL the balls is not inserted and the BOX closed, the acoustic signal will be heard, the electrical load connected to the SERVICE (light, electronic scoreboard etc. ...) will turn off and the ALARM light, if it has been connected, will start to flash. Moreover some special anti-fraud counters allow you to check for how long the ball BOX has been left open after the time is over, even without the use of electricity.
- According to the value of the money that has been inserted and the hourly tariff that has been programmed, the corresponding time will be automatically loaded. The maximum cumulative time is 9 hours and 59 minutes. You can arrange, if you wish, up to 3 different hourly rates that will automatically alternate on different time zones that can be programmed for the duration of a day or a week.
- The COIN TIMER supplies **2 electrical contacts**: one for service (SERVICE) to which the load to be controlled must be connected and a signalling one (ALARM) to which it is possible to connect a light that will remain alight during the last minute of the purchased time. Moreover an acoustic signal indicates when 2 minutes and 1 minute is left before the time is over.
- The **general totalizer** of the takings and the individual meter for coins or tokens, other than the anti-fraud systems, ensure the maximum operating reliability, also without electricity. The visualizer has its own internal lithium battery that ensures complete operation for more than 7 years if it is not connected to the electrical supply.
- **Sturdy metal container** that can be fixed to a wall.
- **Power supply:** 230Vac, 50-60Hz, 250mA maximum.
- **Maximum load** applicable to the SERVICE and ALARM contacts: 5A, 250Vac. Available also for 115Vac, selectable during purchase.

Type of coin validator (selectable during purchase)

- Mechanical coin validator for 1 coin of:
  - ♦€ 0.50
  - ♦€ 1.00
  - ♦€ 2.00
- Mechanical token validator, for 1 token
- Electronic coin validator programmable for 6 coins: € 0.05 - 0.10 - 0.20 - 0.50 - 1.00 - 2.00

OTHER MODELS

The COIN TIMER, other than all the billiard specialities, can also be used in many other sectors where the using time of goods or services has to be paid by inserting coins or tokens. It can be used, for example, to turn on the night lights of a tennis court or for an electronic scoreboard for darts, for the operating of videogames by time, for internet terminals, showers, solariums, etc..

Art.203
COIN TIMER-3B for Carom (3x 61.5-63.2mm)
Size: 21,5x47x22cm. - Weight: 10kg.

Art.203A
COIN TIMER-3B/A for Italiana game (2x68 +1x59mm)
Size: 21,5x47x22cm. - Weight: 10kg.

Art.204
COIN TIMER-4B for 4 balls (4x61.5mm)
Size: 21,5x47x22cm. - Weight: 10kg.

Art.209
COIN TIMER-9B for 9 balls (9x61.5mm)
Size: 21,5x47x22cm. - Weight: 10kg.

Art.209A
COIN TIMER-9B/A for 9 balls (8x59mm + 1x54mm)
Size: 21,5x47x22cm. - Weight: 10kg.

Art.216
COIN TIMER-16B for Pool table (16x57mm)
Size: 26x47x26cm. - Weight: 11.4kg.

Art.216A
COIN TIMER-16B/52 for English pool (16x52mm)
Size: 26x47x26cm. - Weight: 11.4kg.

Art.216B
COIN TIMER-16B/68 for Russian Pyramid (16x68mm)
Size: 32,5x47,5x32,5cm. - Weight: 13.6kg.

Art.222
COIN TIMER-22B for snooker (22x52-54mm)
Size: 32,5x47x32,5cm. - Weight: 13.6kg.

Art.202
COIN TIMER PING-PONG
Size: 26x47x26cm. - Weight: 11.4kg.

Art.200
COIN TIMER
Size: 21,5x35,5x21,5cm. - Weight: 6kg.

Art.R200-1
TOKEN 26-1SS type
Weight: 0.007kg.

Console-300 art.307-01

Control console for managing FC, FS, FW, FOS, TM series multisport scoreboards. 2x20 LCD display and membrane keyboard. Wired connection.

Key features

• Multisport console, ideal for managing many different sports: basketball, volleyball, handball, water polo, hockey, football, futsal, rugby, tennis, and other sports with the same features of other sports already managed.
• 2x20 LCD display and membrane keyboard.
• Robust metal case.
• Supplied with power supply unit.
• Guarantee: 2 years. (info)

Specifications

• 2x20 LCD display and membrane keyboard.

• Ideal for managing many different sports, such as basketball, volleyball, handball, football, futsal, hockey, rugby, tennis, water polo, and other sports with the same features of other sports already managed (table tennis, badminton, bocce, basket 3x3, floorball, squash).

• Wired and wireless communication with the scoreboards. 2 outputs are available; up to 8 scoreboards can be connected to each output.

• Robust metal case.

• The ball possession time can be managed either directly from the console or through the additional "Time-Console-03" console, art.232-03.

• Dimensions and weight. 28.5x10.5x8 cm, 1.3kg.

• Guarantee: 2 years. (info)

Parts included in the supply:
• 100-240V universal power supply unit.

Product options, selectable after adding the article to the basket:
• Type of power supply unit plug.

ACCESSORIES

Optional articles, to complete the product:

Art.232-03 Time-Console-03
Additional console, useful for the 24/14/30 second shot clock operator.

Art.307-01
Console-300
Size: 28.5x10.5x8cm. - Weight: 1.3kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

Console-700 art.308-01

User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.

Key features

• Multisport console allows the management of more than 10 sports.
• 7" multilingual color touchscreen display.
• Intuitive use, with no need of written instructions.
• 14-hour average life rechargeable lithium battery.
• 2.4GHz radio transmission, with FHSS (Frequency Hopping Spread Spectrum) technology to avoid interference caused by other devices.
• USB port to easily update sports rules.
• Impact proof as per EN-60950 for movable equipment.
• Modern and ergonomic design, conceived for desktop and hand-held use.
• Supplied with power supply unit and battery charger.
• Guarantee: 2 years. (info)

Specifications

• 7" color touchscreen display.

• Ideal for managing many different sports, such as basketball, volleyball, handball, football, futsal, hockey, rugby, tennis, water polo, and all the sports with the same features of other sports already managed.

• Intuitive use, with no need of written instructions.

• Multilingual. All the texts are displayed in the selected language: Italian, English, French, Spanish and German.

• All game information is displayed at the same time in the main sport screen, included statistics panels with fouls and points of each player.

• Up to 75 teams and relevant players can be entered, memorized and retrieved.

• A color can be associated to each team; all the buttons assigned to a team are displayed with the associated color. This facilitates the operator and avoids mistakes.

• Wired and wireless communication with the scoreboards.

• Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards.

• Including a rechargeable lithium battery with 14-hour average life and battery charge level indicator. The console can be directly connected to the mains using the 100-240V universal power supply unit supplied with the console. The unit also serves as battery charger.

• Thanks to the battery power supply and the wireless communication requiring no cable connection, free positioning and movement is possible while using the console.

• USB port for easy software update in case of changes to sports rules. The update is automatically carried out by simply inserting the USB key containing the new software.

• Impact proof as per EN-60950 for movable equipment. Sturdy ABS case.

• Modern and ergonomic design, conceived for desktop and hand-held use.

• The shot clock and the chronometer can be managed either directly from the console or through the additional "Time-Console-03" consoles, art.232-03.

• Dimensions and weight. 24.5x17x8.5cm, 1.35kg.

• Guarantee: 2 years. (info)

Parts included in the supply:
• Power supply unit/battery charger.
• 5m cable, for scoreboard cable connection test, if necessary.

Product options, selectable after adding the article to the basket:
• Type of power supply unit/battery charger plug.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

ACCESSORIES

Optional articles, to complete the product:

Art.308-10 Case-700, carrying case for Console-700
Sturdy carrying case for easy transport.

Art.232-03 Time-Console-03
Additional console, useful for the timekeeper or the 24/14/30 second shot clock operator.

EFT-1 (art.970)

Electronic target especially designed for fencing training.

YouTube videos:
https://www.youtube.com/watch?v=zCLYzRbDsJo
https://www.youtube.com/watch?v=6sLlcObj_2g

• The EFT-1 has 5 targets, each with a red light at the center that lights up to signal when it should be attacked and turns green when hit.

• Completely programmable by the fencing master, who can prepare 9 different exercises, setting various parameters for each one.

• Students can easily choose the best exercises for their individual needs, level, and specific areas of improvement.

• The student sees the response time of every hit and the average time for the exercise when it is completed. This is helpful for the fencing master to evaluate the student's level and decide when to pass on to more difficult exercises.

• Students are highly engaged and have fun competing with each other to test their skills. They can also view the record time for each type of exercise for the last 100 completed, creating a goal to be reached.

• Fencing halls can considerably increase their number of students by adding a few electronic targets: the challenging pace of the targets engages students while motivating them to reach specific objectives.

• The display showing the information is protected from hits. It shows: 1) the number of the current exercise; 2) the number of attacks that need to be made; 3) the response time of each attack in seconds, tenths, and hundredths of seconds; 4) the overall result for the exercise; 5) the best attack time for the completed exercise; 6) the record result of the last 100 exercises for each type of exercise.

• A tough front panel made of multiple layers of polycarbonate and PVC. The tip of the weapon does not slide.

• A shock absorbing system prevents hits from deteriorating the weapon tips.

• The stainless steel frame around the container means there are no painted parts to get ruined by hits.

• There are no keyboards, preventing malfunctions due to blows from weapons. The commands and programming functions are all given through the targets.

• The special wall mounts that come with the target make it possible in a matter of seconds to adjust the EFT-1 to students of any height by positioning it at 8 cm intervals to one of the 6 available heights.

• The valid target area changes depending on the speed of the impact, and the peripheral area around the target requires greater impact force than the part in the center. This means that slower actions, like those performed from a resting position, require greater precision, while quicker actions, such as those prepared by footwork, are allowed more tolerance.

• A sound is emitted when the target is hit (can be deactivated).

• Power supply: 12V DC/AC 300 mA. The EFT-1 is provided with a 100-240V/12Vdc AC Power Adaptor; the type of plug can be specified when ordering. Power can also be supplied using an external rechargeable battery (see Optional Accessories, Item 828).

• Dimensions and weight: 63 x 46 x 5 cm, 7.4 kg

EXERCISE CHARACTERISTICS

The EFT-1 electronic fencing target can be programmed to offer 9 different types of exercises, each of which can be set differently using the following parameters:

• Type of attack. An attack is an action made against the EFT-1 electronic target which, depending on the attack type, may require one or more targets to be hit. Seven different types of attacks are described below, specifying how many targets light up and how they are to be hit:

Art.970
EFT-1 Electronic Fencing Target
Size: 63x46x5cm. - Weight: 7.4kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.828-5
Extension cable, 115 cm, with XLB-3 connectors and 2-wire cord

The art.828 battery has a cable of only 35cm so if it is placed on the ground the extension cable (art.828-5) is also required.

Weight: 0,13kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.973
Floor mount stand for the EFT-1 electronic fencing target
Size: 169x44x46cm. - Weight: 8,3kg.

Type 1. One target, one hit.
Type 2. One target, two hits in rapid succession on the same target.
Type 3. One target, three hits in rapid succession on the same target.
Type 4. Two targets at the same time, to be hit as desired.
Type 5. Two targets one after the other, to be hit in sequence.
Type 6. Three targets at the same time, to be hit as desired.
Type 7. Three targets one after the other, to be hit in sequence.

- Number of attacks, programmable from 3 to 99.

- Attack time limit. Sets the time limit within which the attack must be completed.

- Pause time after an attack. The time allowed to the student to get back into position in order to prepare for the next attack.

- Maximum random delay. Sets the random delay of the targets so that the fencer cannot predict when they will light up, helping to develop quick reflexes.

OPTIONAL ACCESSORIES (not included)

Art.973 Floor mount stand for the EFT-1 electronic fencing target [foto].
Useful when the EFT-1 mounting brackets cannot be attached to the wall or when the target is being used in temporary places for demonstrations or training. The stand must in any case be placed against a wall to prevent the target from being moved or tipped over from the impact of hits.

Art.828 Rechargeable 12V/7Ah battery.
Handy power supply for the EFT-1 electronic fencing target when no mains power is available. Typical battery life is 55 hours. The battery cable is only 35 cm so if it is placed on the ground an extension cable (art.828-5) is also required.

Art.169 Battery recharger for battery art.828

Art.828-5 Extension cord, 115 cm, with XLB-3 connectors and 2-wire cable

Electronic Scoreboards FS-100, FS-100N (Art.236, Art.236N)

Electronic multisport scoreboards for sport palaces and school gyms and college gyms.

Art.236: FS-100 - version with fixed words: HOME-GUEST
Art.236N: FS-100N - version with team-names programmable

Ideal for: Volleyball, 5-a-Side Football (Futsal), Handball, Waterpolo, Hockey, Tennis, etc..

Functions displayed:

Game time: [00:00 - 99:59], digits 30cm high.
Team scores: [0-99], digits 30cm high.
Period: [0-9], digit 30cm high.
Timeout: [3 light indicators per team], 8cm diameter.
Team-names programmable: only for FS-100N model (Art.236N), 8 characters per team, 15.5cm high.

Technical characteristics:

- **Dimensions:** 200x120x9cm.
- **Weight:** 41kg [FS-100], 47.5kg [FS-100N].
- **Distance and readability angle:** 130m (425ft), 150 degrees. For the FS-100N model, team-names readable up to 90m (295ft).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- For the FS-100 model **selection of words** to chose from when ordering: HOME-GUEST, LOCALI-OSPITI, LOCALES-VISITANTES, LOCAUX-VISITEURS, HEIM-GÄSTE.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.265-20) that allows you to save on the cable costs (see ACCESSORIES).
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering.
- It can be used together with other models for creating large scoreboards displaying various information (info).
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 180VA [FS-100] / 230VA [FS-100N]. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**
User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20)**.
Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. **>>** Radio Receiver installation manual
- **Statistics panels (Side Displays)** ... >> Link
To show player fouls, points, numbers and names.
- **24 seconds or 30 seconds Shot Clocks** ... >> Link
Additional scoreboards in various versions to display the offense/possession time and game time.

Art.236
FS-100 Multi-sport scoreboard
Size: 200x120x9cm. - Weight: 41kg.

Art.236N
FS-100N Multi-sport scoreboard with programmable team-names
Size: 200x120x9cm. - Weight: 47,5kg.

Art.265-20
FS2 Radio Receiver for FS-series scoreboards
Size: 23x13x7cm. - Weight: 1,04kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

Electronic Scoreboards FS-110, FS-110N (Art.238, Art.238N)

Electronic scoreboard for sport palaces and school gyms and college gyms.

Art.238: FS-110 - version with fixed words: HOME-GUEST
Art.238N: FS-110N - version with team-names programmable

Ideal for: Basketball, Volleyball, 5-a-Side Football (Futsal), Handball, Waterpolo, Hockey, Tennis, etc..

Functions displayed:

Game time: [00:00 - 99:59], digits 30cm high.
Team scores: [0-199], digits 30cm high.
Period: [0-9], digit 30cm high.
Bonus: [1 light indicator per team], 8cm diameter.
Timeout: [3 light indicators per team], 8cm diameter.
Possession/Service/Turn: [indicator arrows].
Team-names programmable: only for FS-110N model (Art.238N), 8 characters per team, 15.5cm high.

Technical characteristics:

- **Dimensions:** 200x120x9cm.
- **Weight:** 41kg [FS-110], 48kg [FS-110N].
- **Distance and readability angle:** 130m (425ft), 150 degrees. For the FS-120N model, team-names readable up to 90m (295ft).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- For the FS-110 model **selection of words** to chose from when ordering: HOME-GUEST, LOCALI-OSPITI, LOCALES-VISITANTES, LOCAUX-VISITEURS, HEIM-GÄSTE.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.265-20) that allows you to save on the cable costs (see ACCESSORIES).
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering.
- It can be used together with other models for creating large scoreboards displaying various information (info).
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 185VA [FS-110] / 235VA [FS-110N]. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more

Art.238
FS-110 Multi-sport scoreboard
Size: 200x120x9cm. - Weight: 41kg.

Art.238N
FS-110N Multi-sport scoreboard with programmable team-names
Size: 200x120x9cm. - Weight: 48kg.

Art.265-20
FS2 Radio Receiver for FS-series scoreboards
Size: 23x13x7cm. - Weight: 1,04kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

- **Statistics panels (Side Displays)** ... >> Link
  To show player fouls, points, numbers and names.
- **24 seconds or 30 seconds Shot Clocks** ... >> Link
  Additional scoreboards in various versions to display the offense/possession time and game time.

Electronic Scoreboards, FS-120, FS-120N FIBA approved (Art.240, Art.240N)

Electronic scoreboard for sport palaces and school gyms and college gyms.

Art.240: FS-120 - version with fixed words: HOME-GUEST
Art.240N: FS-120N - version with team-names programmable

Ideal for: Basketball, Volleyball, 5-a-Side Football (Futsal), Handball, Waterpolo, Hockey, Tennis, etc..

Functions displayed:

Game time: [00:00 - 99:59], digits 30cm high.
Team scores: [0-199], digits 30cm high.
Period: [0-9], digit 30cm high.
Team fouls / Sets won: [0-9], digits 30cm high.
Bonus: [1 light indicator per team], 8cm diameter.
Timeout: [3 light indicators per team], 8cm diameter.
Possession/Service/Turn: [indicator arrows].
Team-names programmable: only for FS-120N model (Art.240N), 8 characters per team, 15.5cm high.

Technical characteristics:

- **Dimensions:** 200x180x9cm.
- **Weight:** 60kg [FS-120], 66.5kg [FS-120N].
- **Distance and readability angle:** 130m (425ft), 150 degrees. For the FS-120N model, team-names readable up to 90m (295ft).
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- For the FS-120 model **selection of words** to chose from when ordering: HOME-GUEST, LOCALI-OSPITI, LOCALES-VISITANTES, LOCAUX-VISITEURS, HEIM-GÄSTE.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.265-20) that allows you to save on the cable costs (see ACCESSORIES).
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 210VA [FS-120] / 260VA [FS-120N]. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**
User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).**
Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable

Art.240
FS-120 Multi-sport scoreboard
Size: 200x180x9cm. - Weight: 60kg.

Art.240N
FS-120N Multi-sport scoreboard with programmable team-names
Size: 200x180x9cm. - Weight: 66,5kg.

Art.265-20
FS2 Radio Receiver for FS-series scoreboards
Size: 23x13x7cm. - Weight: 1,04kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

connection between console and scoreboards. **>>** Radio Receiver installation manual

- **Statistics panels (Side Displays)** ... >> Link. To show player fouls, points, numbers and names.
- **24 seconds or 30 seconds Shot Clocks** ... >> Link

Additional scoreboards in various versions to display the offense/possession time and game time.

GAME-ON (Art. 390)

ELECTRONIC DARTS SCORER

- Ultra thin: thikness 4 cm; height 19.5 cm.; length 56 cm.
- Flat membrane keyboard wich large buttons whith make the scorer easy to use. Stylish printing and coloured 6cm numbers gives the scorer a pleasant look. Partial legs totalizer in 2.5 cm numbers.
- Each button has a lifetime of 5 millions punches.
- In case of the loss of electricity no point total being held in the memory file will be lost, no batteries are needed.
- Low energy consumption: max 6 VA 230 VAC ± 15%.
- A sturdy plastic container completely insulated with no need for a ground connection. The scorer comes complete with cord and plug but can be easily opened for a direct hook-up.

Buttons function:

- ON/OFF button. Turns on and off.
- SOUND ON/OFF. Turns on and off sound.
- CANCEL GAMES. Cancels the partial legs display
- START 301, 501, 701. For immediate start to game.
- START XXX. Any start can be used with this button. If zero is chosen the scorer will automatically add scores.
- 1 PLAYER. Allows 1 player only option.
- MEMORY UP and MEMORY DOWN. Allows corrections of scores and visual of scores entered previously.
- DARTS. See at any time the number of darts used.
- AVERAGE. Gives average p.d. during the game and at the end by showing first the whole number followed by the decimals. i.e. 32 will show first and then 16. Will give exact average even if the game ended on the 1st or 2nd dart.

Options:

- **Infrared TELECONTROL** (Picture)**.** Range: 15m. An innovative system allows more than one remote control to be used in the same room without the need for setting any code. Power supply: with a 9-Volt alkaline battery. Lifespan: about 140.000 operations! Sturdy small alluminum box: 14.5 x 5.5 x 2.2 cm. Membrane keyboard which does not get ruined by dirt or liquids.
- **REMOTE CONTROL** (Picture)**.** Allows for remote control of the appliance by means of a separate keyboard attached to a 7m cable. It is useful when the scoreboard is positioned high up or far away from the operator (e.g. on walls with limited free space, thin columns; etc.).
- **BRIAR version.** In addition to the black (stand version) all models are available also with a briar finish.

Art.390
GAMEON darts scorer
Size: 56x19x4cm. - Weight: 1.3kg.

Art.390-T
GAMEON with infrared remote control
Size: 56x19x4cm. - Weight: 1.54kg.

Art.390-C
GAMEON with wired remote control by 7m long cable
Size: 56x19x4cm. - Weight: 2.4kg.

GAME-SHOT (Art.391)

Darts scoreboard

Art.391
GAME-SHOT darts scorer
Size: 21,3x12,3x5,6cm. - Weight: 0.6kg.

TECHNICAL DATA

- Stylish printing gives to scorer a pleasant look.
- Dimensions: width 21.3cm - height 12.3cm - thickness 5.6cm.
- Red coloured numbers 14.2mm height (0.56").
- Flat keyboard with large keys which make the scorer easy to use. Each key has a lifetime of 5 millions punches.
- In case of black-out no total points being held in the memory fill will be lost, non batteries are needed.
- A sturdy plastic container insulated with no need for a ground connection. The scorer comes complete with cord and plug.
- Fixing to wall by plugs.
- Low energy consumption: max 6VA at 230Vac.

KEYS FUNCTIONS

- **ON/OFF** key: turns on and off GAME SHOT; when off will be light up only a dot on display.
- **Sound ON-OFF**: turns sound on or off.
- **CANCEL**: used with NUMERICS and GAMES keys.
- **GAMES**: displays for 3 seconds the numbers of defeated games from the players; during the 3 seconds this number can be reset by CANCEL key.
- **START 301**, **START 501**: they set up games, beginning with standard scores. The player who begins comes shown by a point that blinks for 5 seconds on the corresponding display. It can be changed repressing the START or the ENTER key. To become easier the consecutive matches, to every new START the player that starts pulling is automatically alternated. During the match the player that is pulling is indicated by the lighting up of the point on the corresponding display.
- **START XXX**: start any score by using this button followed by ENTER. If zero is entered GAME ON will automatically add scores (HIGH SCORE).
- **1 PLAYER**: press this button after having selected your game.
- **NUMERICS** keys: punch in your score and follow by ENTER. If an error is made press CANCEL and continue. If an error is made and has already been entered, press MEMORY DOWN and then CANCEL.
- **+** key: allows you to add all 3 single darts if necessary. Example: 27 + 25 + 39 ENTER.
- **MEMORY UP**, **MEMORY DOWN**: allows visual of previous scores and cancelling of errors. If an incorrect score has been entered press MEMORY DOWN and then CANCEL. If the incorrect score has not been entered just press CANCEL.
- **DARTS**: keep pressed to see number of darts thrown during any stage of the game.
- **AVERAGE**: visualizes at any time the AVERAGE score per dart. The average is shown in two stages : first the whole number and then decimals. Ex.: 30.45 = 30_ and then _45. To obtain the exact average at the end of game press 1 key if game is closed with first dart, and 2 key if closed with 2nd and press AVERAGE.

PLAY14 (Art.310 - Art.311)

ELECTRONIC SCOREBOARD for CARAMBOL, SNOOKER, POOL, DARTS, etc.

PLAY14 (Art. 310)

- Special research and development have gone into the creation of this scoreboard, a useful device designed for billiard-type games (carambol, snooker, pool, etc.) and darts. The PLAY 14 scoreboard can also be used for many other games.
- The display (numbers) is 11.5cm high and can be read from a distance of 30m. The colours utilized --red and green-- make the display both attractive and easier to read. Three displays for each player: two showing 3 numbers and one showing a single figure. In addition, indication is given of the player currently involved in the game.
- Controlled at a distance by means of a sturdy flat-membrane keyboard already hooked up to a cable 18m in length.
- It makes available a number of practical functions pertinent to the game in progress (e.g., POINT AVERAGE, MAX. POINT TOTAL, etc.).
- If the electrical power should fail, no points total in the memory bank will be lost (and this without the use of batteries).
- The scoreboard comes equipped with adhesive- backed tags printed in several languages, tags which explain the display functions (SCORE, SET, FRAME, GAMES, INNINGS, BREAK, PUNKTE, SATZ, SPIELE, AUFNAHME, PUNTI, PARTITE, RIPRESE). Also included are 4 white plastic blanks upon which the name of the players or team can be written; these blanks are located right under the display terminal itself.
- A sturdy metal box easily attachable to a wall.
- Size: 1pz 75x59x10cm + 1pz 22x12x1,7cm. - Weight: 12.2kg.
- Power Supply: 230V 50-60Hz, 60VA. Available also for 115V.

PLAY14 with Infrared Remote Control (without remote keyboard) (Art. 311)

- The same as the above model but with an infrared remote control in place of the keyboard.
- Telecontrol. Range: 15 m. Sturdy small alluminum box. Membrane keyboard which does not get ruined by dirt or liquids.

Art.310
PLAY14 with wired remote control by 18m long cable
Size: 1pz 75x59x10cm + 1pz 22x12x1,7cm. - Weight: 12.2kg.

Art.311
PLAY14 with infrared remote control
Size: 1pz 75x59x10cm + 1pz 5,5x14,5x2,2cm. - Weight: 10.6kg.

Art.R361-5
Infrared remote control for PLAY14 - Tx only
Spare part
Size: 14,4x5,6x2,1cm. - Weight: 0.23kg.

PLAY20 (Art.320, Art.320T)

Electronic scoreboard for bowls and other sports

- **Art.320 - PLAY20** One-side display. Wall fastening.
- **Art.320T - PLAY20** with infrared telecontrol.

FEATURES

- 20cm-high figures, readable from 50m away. The different colour of the two numbering devices (red and green) makes it easier to recognise one's score.
- It is supplied with a keyboard already connected by means of 30m-long cable. The cable can be extended very easily because it only has 2 conductors.
- The keyboard is extremely sturdy, with membrane-type keys (5 million operations), in red and green like the corresponding displays. Mistakes in score-taking, which can occur if the keyboard is not placed in front of the scoreboard, are thus avoided. It can be connected to a second keyboard (Art.324) to control the scoreboard from 2 positions.
- The following operations can be carried out from the keyboard: turn on and off the scoreboard, zero, increase or decrease single numbering devices. The score is up to 99. It is supplied with cable and supply plug.

PLAY20 with infrared telecontrol (Art.320T)

- Telecontrol range: 25-35m.
- An innovative system allows more than one remote control to be used in the same room without the need for setting any code.
- Sturdy small alluminum box: 11 x 4.8 x 2.2 cm.
- Flat keyboard which does not get ruined by dirt or liquids.

OPTIONALS

- **Art.324** additional KEYBOARD
- **Art.326** additional infrared TELECONTROL (only for Art.320T)

Art.320
PLAY20
Size: 85x38x11cm. - Weight: 11kg.

Art.320T
PLAY20 with infrared remote control (RX+TX)
Size: 85x38x11cm. - Weight: 11.2kg.

Art.324
ADDITIONAL KEYBOARD for PLAY20-20d
With cable 1,3m long.
Size: 15,5x9x1,6cm. - Weight: 0.43kg.

Art.R361-6
Infrared remote control for Play20-20d - Tx only
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

PLAY20d (Art.322, Art.322T)

Electronic scoreboard for bowls and other sports

- **Art.322 - PLAY20d** Two-side display. Ceiling fastening
- **Art.322T - PLAY20d** with infrared telecontrol

PLAY20d Two-side display. Ceiling fastening (Art.322)

- 20cm-high figures, readable from 50m away. The different colour of the two numbering devices (red and green) makes it easier to recognise one's score.
- It is supplied with a keyboard already connected by means of 30m-long cable. The cable can be extended very easily because it only has 2 conductors.
- The keyboard is extremely sturdy, with membrane-type keys (5 million operations), in red and green like the corresponding displays. Mistakes in score-taking, which can occur if the keyboard is not placed in front of the scoreboard, are thus avoided. It can be connected to a second keyboard (Art.324) to control the scoreboard from 2 positions.
- The following operations can be carried out from the keyboard: turn on and off the scoreboard, zero, increase or decrease single numbering devices. The score is up to 99.
- It is supplied with cable and supply plug.

Art.322
PLAY20d two-side display
Size: 85x27x9cm. - Weight: 10.5kg.

PLAY20d with infrared telecontrol (Art.322T)

- Telecontrol range: 25-35m.
- An innovative system allows more than one remote control to be used in the same room without the need for setting any code.
- Sturdy small alluminum box: 11 x 4.8 x 2.2cm.
- Flat keyboard which does not get ruined by dirt or liquids.

Art.322T
PLAY20d with infrared remote control (Rx+Tx)
Size: 85x27x9cm. - Weight: 10.7kg.

Art.324
ADDITIONAL KEYBOARD for PLAY20-20d
With cable 1,3m long.
Size: 15,5x9x1,6cm. - Weight: 0.43kg.

OPTIONS

- **Art.324** additional KEYBOARD.
- **Art.326** additional infrared TELECONTROL (only for Art.322T).
- **Art.328-8** ADVERTISING BOARD 85 x 8cm.

Art.R361-6
Infrared remote control for Play20-20d - Tx only
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.328-8
Board for advertisement 85X8cm
Size: 85x8x0,3cm. - Weight: 0.8kg.

The advertising boards are prearranged to be fastened under the scoreboard.

PLAY6 (Art.360)

Electronics scoreboard for billiards games, table tennis, etc..

Art.360
PLAY6
Size: 56x19x4cm. - Weight: 1.28kg.

Art.360-T
PLAY6 with infrared remote control
Size: 56x19x4cm. - Weight: 1.52kg.

Art.360-C
PLAY6 with wired remote control by 7m long cable
Size: 56x19x4cm. - Weight: 2.38kg.

TECHNICAL DATA

An attractive design which fits in perfectly anywhere.

- Ultra-flat: thickness 4cm - height 19.5cm - length 56cm.
- Numbers 60 mm high, red and green like the corresponding buttons.
- Flat, membrane keyboard with large buttons and clearly legible printing which make the keyboard easy to use and pleasant to look at. Sealed against dust and smoke, it eliminates problems of uncertain touches by players over time. Minimum life span of each button: five million touches.
- If there is a blackout, no point total held in the memory will be lost, and all that without the use of batteries.
- A sturdy plastic container, completely insulated with no need of a ground connection. It comes equipped with cord and plug, but it can be opened easily at the back for a possible direct connection.
- Wall mounting is simple, solid and immediate using 2 front screws.
- Negligible energy consumption: max 6VA at 230Vac (available 115Vac version).

KEYS FUNCTIONS

- **ON/OFF** button: turns on and off.
- **START** button: returns the score to zero to begin a game.
- Buttons from **0** to **9**: for setting the points to add; the addition will be carried out automatically three seconds after their entry.
- Buttons **(C)** and **(-)**: for deleting the last entry and for subtracting points respectively.
- **MEMORY** button: shows the points previously recorded (as a check).
- **MATCH COUNT** button: if one wishes to count the number of games won as well as have the point score.
- **2 or 6 PLAYERS** button: allows the keeping of scores for 2 or 6 players. When set up for 6 players, one side shows the player's number and the other his respective score.

OTHER VERSIONS

PLAY6 with infrared TELECONTROL (Art.360T)

An innovative system allows more than one remote control to be used in the same room without the need for setting any code.

- Range: 15m.
- Power supply: with a 9-Volt alkaline battery.
- Lifespan: about 140.000 operations!
- Sturdy small alluminum box: 14,5 x 5,5 x 2,2cm.
- Membrane keyboard which does not get ruined by dirt or liquids.

PLAY6 with REMOTE CONTROL (Art.360C)

Allows for remote control of the appliance by means of a separate keyboard attached to a 7m cable. It is useful when the scoreboard is positioned high up or far away from the operator (e.g. on walls with limited free space, thin columns; etc.).

PLAY6 with BRIAR color (Art.360R)

In addition to the black (standard version) all models are available also with a briar finish.

EPEE BODY CORD

(Art.912)

EPEE BODY CORD with 3-Pin Plugs

Art.912
EPEE BODY CORD with 3-Pin Plugs
Weight: 0.114kg.

Art.910
3-Pin Plug for floor and body cord
Weight: 0.021kg.

Art.912-1
Extraflexible 3-wire cable for body cord, 180cm long
With tin-plated finals
Weight: 0.07kg.

Art.916
Extraflexible 3-wire cable for body cord (1 meter)
To order one coil of the wished length
Weight: 0.034kg.

FA-07 (Art.940)

Multifunctional Fencing Apparatus with scorer, chronometer, match counter, red and yellow cards, etc“

• **Apparatus for 3 weapons, F.I.E. approved,** also suitable for **high level competitions**.

• **Very reasonable price**, making it interesting for all fencing clubs. Now everyone can smarten up their club and make use of this amazing signaling apparatus!

• **Information visually displayed in various colours** for clearer reading and a better visual impact. Although large digits are used, the FA-07 remains moderate in size (55x35cm), allowing it to be easily transported in the carrying case provided.

• **Scorer**: height of the digits 13cm, legible over 55m.
• **Chronometer** and **Match Counter**: height of digits 9cm, legible over 35m.
• **Red, Green, and White lights signaling hits:** brightly lit, legible at 180° as the lights protrude from the front panel.
• **Red and yellow cards, priority and lights signalling faults**: visible over 25m.

• The **back-lit graphic display panel** can simultaneously visualize all information: selected weapon, names and nationalities of the fencers (if the competition is operated on-line), power supply voltage, sound volume, etc. The information is displayed in 5 languages.

• **Use of highly efficient LEDs which greatly reduce energy consumption** (typical 0.5A), facilitating the apparatus to be battery powered; the battery listed in the catalogue, art. 828, enables the uninterrupted use of the FA-07 for 10-12 hours, while a 70Ah car battery lasts 120 hours.

• Sturdy infrared **REMOTE CONTROL** provided, which can also be connected via cable, as required on high level competitions: infrared rays are effective at a distance of over 20m; lithium-ion battery can be recharged with the cable provided. Charge lasts about 300 competition hours. Useful indicators: low battery signal, battery recharging signal, transmission key. Remote control operated functions: chronometer, hits, matches, red and yellow cards, priority, change of weapon, change of fencers' position, management of on-line matches, etc.

• **ETHERNET port**. The FA-07 is the first fencing apparatus equipped with an Ethernet port connection. It provides two extremely useful functions: 1) a **LAN connection** which allows for easy management of a competition (see chapter 6 of the PDF document "FA-07 Users' Handbook"); 2) the possibility to **update the FA-07 software via a computer**, which saves receiving and inserting components into the apparatus due to changes in rules.

• **Two Rs422 ports** for sending all FA-07 data to external data gathering, visualization, and Video-refereeing systems, and for TV-Superimpositions. **Three "Serial Data" ports** to communicate with other FA-07s and other Favero Electronic Design devices. All the 5 ports are opto-isolated to protect fencers from dangerous high voltages.

• **REPEATER function**. Several FA-07s can be connected in a cascade configuration: the first one works as a piste apparatus and the others as repeaters. Connections can be made with regular, easily available and implemented, 4-wire telephone cables, which can be as long as 100m. Those provided are 15m and 2.5m in length. It is also possible to **invert the displayed information** on an FA-07 repeater so that, when placing two FA-07 apparatuses back to back, a 360° visualisation can be obtained with all information and lights appearing on the same side.

• **Transparent shock-resistant front piece**, and sturdy metallic case.
• **Protected against errors in power supply voltage** (if too high the FA-07 will not switch on) .
• **Sound volume can be adjusted** from zero (off) to 3 (max).
• **Different sounds** distinguish the sound of hits from those signalling end of chronometer time and those signalling faults.
• **Changing of fencers' position.**
• Can work in **Épée-Training** mode, to signal a quick succession of hits.
• Possibility to enable **automatic counting of épée hits.**
• **10-minute pause button** for dealing with any medical interventions.
• Automatic recognition of the **"STM-Wireless" system**, which can be connected via the appropriate connector.

Art.940
FA-07 with remote control, power supply and carrying case
Size: 60x40x13,5cm. - Weight: 8.1kg.

Art.945
Pair of 360° Towers Lights for FA-07
We recommend purchase of the carrying case (art.948).
Size: 2pz 54x12,5x11cm. - Weight: 1.5kg.

Art.944
Tabletop stand for FA-07, 96cm high
We recommend purchase of the carrying case (art.948).
Size: 2pz 55x8,5x3cm. - Weight: 2.8kg.

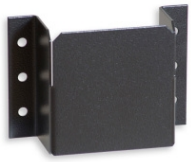
Art.948
Carrying case for Towers Lights and Tabletop stand for FA-07
It can also hold the battery (art.828) and battery charger (art.829)
Size: 60x40x13,5cm. - Weight: 3.8kg.

Art.856
Power cord 3.5m, with clamps for connect. to a car battery
Weight: 0.36kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.880
DOUBLER of the Data-Line signal
Weight: 0.01kg.



Art.940-06
Wall mount stand for FA-07
Size: 11,5x8x4,2cm. - Weight: 0,2kg.

• Prearranged for attaching and **connecting Towers Lights** (not included).

• **ACCESSORIES PROVIDED**: 90-264V/12Vdc power supply unit, remote control, carrying case, 15m and 2.5m cables for connecting to repeaters, 10m and 1.3m for connecting to remote control and for recharging the remote control battery.

• Size and weight: 55x35cm, 8.1kg (carrying case, power supply unit, remote control and cables included).

• Power supply: 12Vdc (10.6-14.5Vdc), typically 0.5A, maximum 2.3A with towers lights connected and switched on. 90-264V/12V power supply unit included.

OPTIONAL ACCESSORIES (not included):
Art.944 Tabletop stand for FA-07, 96cm high
Art.945 Pair of 360° Towers Lights for FA-07
Art.948 Carrying case for Towers Lights & Tabletop Stand for FA-07
Art.856 Power cord 3.5m, with clamps for connection to a car battery
Art.828 Rechargeable Battery 12V/7Ah with connectors
Art.169 Battery charger for battery art.828
Art.940-06 Wall mont stand for FA-07

Art.940-01
FA-07-Scoreboard, without accessories
Size: 55x35x9,5cm. - Weight: 4,2kg.

Art.952
TELE-IR FA-07 infrared remote control
Spare part
Size: 14,3x5x2,3cm. - Weight: 0.19kg.

Art.954
Power supply unit, 90-264V/12Vdc 2.5A, medical, for Full-Arm-01-05, FA-07
Weight: 0.34kg.

FIGHT TIMER - Round Timer (Art. 150)

Electronic timer for sporting activities and gymnasiums

FEATURES

FIGHT TIMER is ideal for sporting activities and gymnasiums (competitions, training, fitness sessions) where the sequences of action-pause are of a fixed duration as in: boxing, spinning, aerobics, kickboxing, taekwondo, ...

- **5 Timers are available**, each one is easily activated by the corresponding key, which can be associated to multiple sporting activities without having to reset the times for every occasion.
- **Various modalities of functioning** can be obtained by programming the 4 parameters of every Timer: time of action, of pause, of final pause [0-90 minutes] and number of sequences [0-99].
- Modality of **time count**, **forwards** or **backwards**.
- **Visualization** of the **time** and **number of cycles** with numbers that measure 9cm high, easily visible for over 30m.
- The choice of **2 sounds** and **3 levels of intensity** for signalling every start/end action.
- **Booking of the automatic start of a Timer** at the end of the one currently active, with a considerable increase in the combinations of time counts: for example, a different number of cycles with different durations of Action+Pause can follow a certain number of cycles of Action+Pause.
- **Simultaneous functioning of two Timers**: the first one has a sound signal and visualizes the times, the second one only has a different sound signal at the beginning-end of every action; this allows to register 2 sporting activities at the same time, such as a boxing meeting and a training sequence.
- **Wall installation** fixed with two screws or wall ancors; **table version** also available (Art.151).
- **Robust insulated plastic container**, without the need of using a ground connection. Provided with a cable and plug.
- **High quality flat membrane keyboard**, with 5 million contacts guaranteed for every key.
- **Power supply:** 115/230Vac, 50/60Hz, 6VA. Select the type of plug for the power supply cord and the supply voltage when ordering.

Art.150
FIGHT TIMER wall version
Size: 56x19x4cm. - Weight: 1.6kg.

Art.151
FIGHT TIMER desk version
Size: 56x23,5x9cm. - Weight: 2.05kg.

Art.150-02
Infrared Remote Control for FIGHT TIMER
Size: 4,9x11x2,2cm. - Weight: 0.17kg.

Art.852
BOX-04 transport case for Full-Arm-01-05
Size: 60x40x13,5cm. - Weight: 3.0kg.

OPTIONS

Infrared TELECONTROL (Art.150-02)

- Range: 15m.
- Power supply: with a 9-Volt alkaline battery.
- Lifespan: about 140.000 operations!
- Sturdy small alluminum box: 14.5 x 5.5 x 2.2 cm.
- Membrane keyboard which does not get ruined by dirt or liquids.

Suitcase for transport (Art.852)

FR240 (art.960)

FR240 Large Scoreboard (240x62cm) for fencing finals.

Visualised functions:

- **Scorer:** [0-99], digits 20cm high.
- **Chronometer**: [0:00 - 9:59], digits 15cm high.
- **Match Counter**: [0-9], digits 15cm high.
- **Fencers' name and country**: 12+3 characters, 12cm high.
- **Red and yellow cards and Priority**.
- **Red, Green and 2 White Lights, signalling hits**: they are made of highly luminous LEDs. The size of each light (11.5 x 81cm) allows them to be visible even when fencers are in front.

Characteristics:

- **Two-sided display.**
- **All information visible at a distance of over 70m.**
- **Easy transportation.** The large scoreboard (240x62cm) can easily be dismantled into two units which fit into the extremely **sturdy case provided**. Its dimensions are accepted by all the standard courier services and airlines. The assembly of the two units and the pedestals requires just a few minutes and can be carried out with the sole use of a screwdriver.
- Apparatus can be **positioned 5cm or 60cm from the ground** by means of the specially provided pedestals. A carry case for the pedestals is included. To position the scoreboard at 190cm from the ground, pedestals are also available as an extra option. (art.960-02).
- Apparatus can be **suspended from the ceiling** with the brackets provided.
- **Only two connection cables needed:** the power supply cable and the data input serial cable. Connectors for the 2 cables are placed both at the bottom and at the top of the scoreboard. The latter facilitates connections when the scoreboard is suspended. A 3m and a 10m serial cable are also provided. Should a longer cable be needed, for example when the FR240 is hung from the ceiling, a standard direct network cable can be used. This cable is readily available in shops or easy to make. The adapter from RJ45 to DB9 connector is also provided with the FR240.
- **Data input through Rs422 serial port** which uses the Rs422-FPA communication protocol. It can be connected to the FA-07 piste apparatus or other devices that use the same protocol which includes messages regarding the name and nationalities of the fencers.
- **Flexible positioning provided**. The separation between the FR240 and the signalling apparatus FA-07 allows:
-- To position the FR240 behind the fencers and the signalling apparatus in front of the raised piste, on the referee's side.
-- To hang the scoreboard from the ceiling.
-- To connect more than one FR240 to the same piste apparatus.
- **Two ways of managing names/countries of the fencers**:
-- Automatically, if the competition management software uses the CYRANO protocol.
-- Manually, via a computer which is LAN connected to FA-07 piste apparatuses, using the specially provided software.
- **Power supply**: 100-240Vac, 50-60Hz, 200VA typ, 380VA max.
- **Weight and size**:
-- Display panel unit: 240x62x9cm, 42.5kg.
-- Transport case for display panel: 127.5x71.5x27cm, 19.5kg
-- Transport case for pedestal: 60x40x13,5cm , 2,5kg.
- **Guarantee**: 2 years (info).

Art.960
FR240 Large Scoreboard (240x62cm) for fencing finals
Size: 240x62x9cm. - Weight: 65kg.

Art.940-08
Triple Rs422 output for FA-07: 2xDB9conn + 1xRj45conn
Size: 26cm. - Weight: 0,08kg.

Electronic Scoreboard FS-140

(Art.244)

Scoreboard to display 2 penalty times per team.

Ideal for Hockey, Handball, Waterpolo, 5-a-Side Football (Futsal), etc..

Functions displayed:

Player number: [0-99], digits 20cm high.
Player penalty time: [0:00-9:59], digits 20cm high.

Technical characteristics:

- **Dimensions and weight:** 200x100x9cm, 36.5kg.
- **Distance and readability angle:** 90m (300ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting. Usually mounted under the main scoreboard displaying the scores (Models FS-100 to 130).
- **Supplied with 4m serial cable** to connect to the electronic scoreboard above it or a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it. The Control Console shows up to 5 penalty times per team; the duration is preset depending on the sport selected.
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 170VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.244
FS-140 Penalty display for 2+2 players
Size: 200x100x9cm. - Weight: 36,5kg.

Art.246
FS-150 Penalty display for 3+3 players
Size: 200x140x9cm. - Weight: 51,5kg.

Electronic Scoreboard FS-150

(Art.246)

Scoreboard to display 3 penalty times per team.

Ideal for Handball, Hockey, Waterpolo, 5-a-Side Football (Futsal), etc..

Functions displayed:

Player number: [0-99], digits 20cm high.
Player penalty time: [0:00-9:59], digits 20cm high.

Technical characteristics:

- **Dimensions and weight:** 200x140x9cm, 51.5kg.
- **Distance and readability angle:** 90m (300ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting. Usually mounted under the main scoreboard displaying the scores (Models FS-100 to 130).
- **Supplied with 4m serial cable** to connect to the electronic scoreboard above it or a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it. The Control Console shows up to 5 penalty times per team; the duration is preset depending on the sport selected.
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 260VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.246
FS-150 Penalty display for 3+3 players
Size: 200x140x9cm. - Weight: 51,5kg.

Art.244
FS-140 Penalty display for 2+2 players
Size: 200x100x9cm. - Weight: 36,5kg.

Electronic Scoreboard FS-160

(Art.248)

Art.248
FS-160 Four-set score display
Size: 200x60x9cm. - Weight: 21,5kg.

Volleyball and Tennis scoreboard showing set scores.

Functions displayed:

4 Set Scores: [0-99]:[0-99]. Digits 14cm high.

Technical characteristics:

- **Dimensions and weight:** 200x60x9cm, 21.5kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- It can be used together with other models for creating large scoreboards displaying various information (info).
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting. Usually mounted under the main scoreboard displaying the scores (Models FS-100 to 130).
- **Supplied with 4m serial cable** to connect to the electronic scoreboard above it or a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 70VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

FS-24s-1, FIBA approved Basketball shot-clock (Art.258-1)

Basketball 24 second shot clock and game time.
1-sided display.

Ideal for Basketball, 5-a-Side Football (Futsal), Waterpolo.

Functions displayed:

24 second shot clock: [0-99], digits 30cm high.
Game time: [0:00 - 99:59], digits 14cm high.
Red light: Diameter 15cm.

Technical characteristics:

- **Dimensions and weight:** 70.5x60x11.5cm, 11kg.
- **Visibility distance**: 130m (425ft) for the 24 seconds shot clock, 70m (230ft) for the game time.
- **Readability angle**: 150 degrees.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Supplied with serial cable** to connect to the Control Console (see ACCESSORIES) or to the electronic scoreboard above it, depending on which type of cabling is more convenient. Serial cable is 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.265-20) that allows you to save on the cable costs (see ACCESSORIES).
- **Robust container** made from powder-coated aluminum. It is provided with 4 wall brackets. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **The horn** can be sounded manually or automatically at the end of the 24 seconds, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity. The sound of the horn is different from the one made by the game timer.
- **Red light** goes on automatically at the end of the game time and the 24 seconds.
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 110VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console Art.308-01 Console-700**
  The 24 seconds indicators are controlled using the "**Console-700**" control console for the electronic scoreboard, which we recommend be connected to the "**Time-Console-03**", especially designed with 3 convenient levers to make it easier to operate the 24 seconds shot clock.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).**
  Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.258-1
FS-24s-1 One-sided shot clock and game time
Size: 70,5x60x11,5cm. - Weight: 11kg.

Art.258-3
FS-24s-3 Three-sided shot clock and game time
Size: 74x65xH60cm. - Weight: 29kg.

Art.258-4
FS-24s-4 Four-sided shot clock and game time
Size: 75x75xH60cm. - Weight: 38kg.

Art.265-20
FS2 Radio Receiver for FS-series scoreboards
Size: 23x13x7cm. - Weight: 1,04kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

FS-24s-3, FIBA approved Basketball shot-clock (3-sided)

(Art.258-3)

Basketball 24 second shot clock and game time.
3-sided display.

Ideal for Basketball.

Functions displayed:

24 second shot clock: [0-99], digits 30cm high.
Game time: [0:00 - 99:59], digits 14cm high.
Red light: Diameter 15cm.

Technical characteristics:

- **Dimensions and weight:** 70.5x60x62cm, 29kg.
- **Visibility distance**: 130m (425ft) for the 24 seconds shot clock, 70m (230ft) for the game time.
- **Readability angle**: 360 degrees.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Supplied with serial cable** to connect to the Control Console (see ACCESSORIES) or to the electronic scoreboard above it, depending on which type of cabling is more convenient. Serial cable is 50m long or chose from different lengths when ordering. In alternativa è Alternatively, a Radio Receiver is available (art.265-20) that allows you to save on the cable costs (see ACCESSORIES).
- **Strong container** made from powder-coated aluminum, comes with threaded holes on upper and lower sides to facilitate mounting. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **The horn** can be sounded manually or automatically at the end of the 24 seconds, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity. The sound of the horn is different from the one made by the game timer.
- **Red light** goes on automatically at the end of the game time and the 24 seconds.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 235VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console Art.308-01 Console-700**
  The 24 seconds indicators are controlled using the "**Console-700**" control console for the electronic scoreboard, which we recommend be connected to the "**Time-Console-03**", especially designed with 3 convenient levers to make it easier to operate the 24 seconds shot clock.
- **FS2 Radio Receiver for FS scoreboards (art.265-20)**.
  Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. **>>** Radio Receiver installation manual tion is at 2.4GHz, on a channel chosen automatically to prevent interference with other equipment.

Art.258-1
FS-24s-1 One-sided shot clock and game time
Size: 70,5x60x11,5cm. - Weight: 11kg.

Art.258-3
FS-24s-3 Three-sided shot clock and game time
Size: 74x65xH60cm. - Weight: 29kg.

Art.258-4
FS-24s-4 Four-sided shot clock and game time
Size: 75x75xH60cm. - Weight: 38kg.

Art.265-20
FS2 Radio Receiver for FS-series scoreboards
Size: 23x13x7cm. - Weight: 1,04kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

FS-24s-4, FIBA approved Basketball shot-clock (4-sided)

(Art.258-4)

Basketball 24 second shot clock and game time.
4-sided display.

Ideal for Basketball.

Functions displayed:

24 second shot clock: [0-99], digits 30cm high.
Game time: [0:00 - 99:59], digits 14cm high.
Red light: Diameter 15cm.

Technical characteristics:

- **Dimensions and weight:** 72x60x72cm, 38kg.
- **Visibility distance**: 130m (425ft) for the 24 seconds shot clock, 70m (230ft) for the game time.
- **Readability angle**: 360 degrees.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Supplied with serial cable** to connect to the Control Console (see ACCESSORIES) or to the electronic scoreboard above it, depending on which type of cabling is more convenient. Serial cable is 50m long or chose from different lengths when ordering. In alternativa è Alternatively, a Radio Receiver is available (art.265-20) that allows you to save on the cable costs (see ACCESSORIES).
- **Strong container** made from powder-coated aluminum, comes with threaded holes on upper and lower sides to facilitate mounting. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **The horn** can be sounded manually or automatically at the end of the 24 seconds, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity. The sound of the horn is different from the one made by the game timer.
- **Red light** goes on automatically at the end of the game time and the 24 seconds.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 300VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console Art.308-01 Console-700**
  The 24 seconds indicators are controlled using the "**Console-700**" control console for the electronic scoreboard, which we recommend be connected to the "**Time-Console-03**", especially designed with 3 convenient levers to make it easier to operate the 24 seconds shot clock.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).**
  Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.258-1
FS-24s-1 One-sided shot clock and game time
Size: 70,5x60x11,5cm. - Weight: 11kg.

Art.258-3
FS-24s-3 Three-sided shot clock and game time
Size: 74x65xH60cm. - Weight: 29kg.

Art.258-4
FS-24s-4 Four-sided shot clock and game time
Size: 75x75xH60cm. - Weight: 38kg.

Art.265-20
FS2 Radio Receiver for FS-series scoreboards
Size: 23x13x7cm. - Weight: 1,04kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

FS-24s-CONSOLE (Art.233-10)

Control console for FS-series 24- and 30-second shot clock panels.
Suitable for Basketball and Water Polo.

The **FS-24s-CONSOLE** is used only if the Console-700 (art.308-01) is not at one's disposal. It is used for autonomously commanding only the 24-second FS-24s-H20 shot clocks (for basketball) or the 30-second KIT-FS-30s shot clocks (for water polo). If used for commanding the FS-24s-1/2/3 models, only the 24-second shot clocks will be visualized on these models, while the game time will remain switched off.

Technical characteristics:

- **Programming** of three times [0 ~ 99 s], of one warning of end time [0 ~ 99 s], and of the length of sound [0 ~ 5 s].
- **Managing times** via specific buttons. If you prefer to manage times via levers, add the article "**Time-Console-03**" (art.232-03). See ACCESSORIES.
- **Correction of time** made easier via specific buttons.
- **Panel horn**: can be activated manually or automatically at end time, with 5 volume levels that can be adjusted directly from the keyboard.
- **Brightness** of the panels can be adjusted to 4 levels directly from the keyboard.
- **Programmable counter direction** (forward-backward).
- **Alphanumeric display** of all the main information for easy management of the panels: time counter (seconds and tenths), counter direction, loaded time and programmed times, brightness, and horn volume.
- **Language** selection for programming menu: English, French, Spanish, Italian, German.
- **Highly reliable membrane keyboard**: 5 million operations per key.
- **2 serial data outputs**. Two connectors ensure operational continuity in case one of the 2 outputs fails.
- **Strong container** made from powder-coated aluminum.
- **Guarantee:** 2 years. (info).
- **Dimensions and weight:** 28.5 x 7.5 x 10.5cm, 1.3kg.
- **Power supply**: 12Vdc ±10%, 200mA Max. This makes it possible to supply power to the console with a 12V external battery (see ACCESSORIES) or using the supplied power adaptor (100-240V) with the type of plug to be selected when ordering.

ACCESSORIES (not included):

- **Time-Console-03 (Art.232-03)**
  This is a supplementary console that is small and economical, making it easier to operate the 24 second shot clock. Characteristics:
  1. Has 3 practical small control levers.
  2. 2m cable to connect with **FS-24s-CONSOLE**.
- **Rechargeable battery** (art.828-1)
  Useful to power **FS-24s-CONSOLE** without having to be plugged into the main electrical grid. Typical duration over 180 hours.
- **Battery charger** (art.169) ... >> Photo
  Required if you purchase the rechargeable battery.

Art.233-10
FS-24s-CONSOLE
Size: 28,3x10x6,8cm. - Weight: 1,2kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

Art.828-1
Rechargeable Battery 12V-7Ah, with DC plug
Size: 15x12x6,5cm. - Weight: 2.1kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.257
FS-24s-H20 Shot clock (H20cm)
Size: 41x29x8,5cm. - Weight: 8kg.

Art.258-1
FS-24s-1 One-sided shot clock and game time
Size: 70,5x60x11,5cm. - Weight: 11kg.

Art.258-3
FS-24s-3 Three-sided shot clock and game time
Size: 74x65xH60cm. - Weight: 29kg.

Art.258-4
FS-24s-4 Four-sided shot clock and game time
Size: 75x75xH60cm. - Weight: 38kg.

FS-412B (Art.260B) FIBA approved.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 12 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), etc..

Functions displayed for each player (12 players per team):

Player number: [0-99], digits 15cm high.
Fouls/Penalties: [4 indicator lights + 1 red], diameter 3.2cm.

Technical characteristics for both panels:

- **Dimensions and weight:** 120x260x11.5cm, 68kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 145VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.260A
FS-412A statistics panels, 2x12 players (Fouls)
Size: 2x 120x260x11,5cm. - Weight: 133kg.

Art.260B
FS-412B statistics panels, 2x12 players (Player No. + Fouls)
Size: 2x 120x260x11,5cm. - Weight: 136kg.

Art.260C
FS-412C statistics panels, 2x12 players (Player No. +Fouls +Points)
Size: 2x 120x260x11,5cm. - Weight: 139kg.

FS-412C (Art.260C) FIBA approved.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), etc..

Functions displayed for each player (12 players per team):

Player number: [0-99], digits 15cm high.
Fouls/Penalties: [4 indicator lights + 1 red], diameter 3.2cm.
Points: [0-99], digits 14cm high.

Technical characteristics for both panels:

- **Dimensions and weight:** 120x260x11.5cm, 69.5kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 250VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

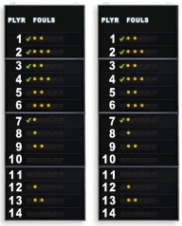
- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. **>>** Radio Receiver installation manual

Art.260A
FS-412A statistics panels, 2x12 players (Fouls)
Size: 2x 120x260x11,5cm. - Weight: 133kg.

Art.260B
FS-412B statistics panels, 2x12 players (Player No. + Fouls)
Size: 2x 120x260x11,5cm. - Weight: 136kg.

Art.260C
FS-412C statistics panels, 2x12 players (Player No. +Fouls +Points)
Size: 2x 120x260x11,5cm. - Weight: 139kg.



Art.262A
FS-414A statistics panels, 2x14 players (Fouls)
Size: 2x 120x320x11,5cm. - Weight: 165kg.

Art.262B
FS-414B statistics panels, 2x14 Players (Player No. + Fouls)

Size: 2x 120x320x11,5cm. - Weight: 168kg.

Art.262C
FS-414C statistics panels, 2x14 players (Player No. +Fouls +Points)
Size: 2x 120x320x11,5cm. - Weight: 172kg.

FS-412D (Art.260D) FIBA approved.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 12 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), etc..

Functions displayed for each player (12 players per team):

Player number: [0-99], digits 15cm high.
Fouls/Penalties: [0-9], digits 15cm high.

Technical characteristics for both panels:

- **Dimensions and weight:** 2x 80x240x11.5cm, 93kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 3m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 155VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.260D
FS-412D statistics panels, 2x12 players (Player No. + Fouls), digits 15cm
Size: 2x 80x240x11,5cm. - Weight: 93kg.

Art.260E
FS-412E statistics panels, 2x12 players (Player No. + Fouls + Points), digits 15cm
Size: 2x 80x240x11,5cm. - Weight: 95kg.

Art.260A
FS-412A statistics panels, 2x12 players (Fouls)
Size: 2x 120x260x11,5cm. - Weight: 133kg.

Art.260B
FS-412B statistics panels, 2x12 players (Player No. + Fouls)
Size: 2x 120x260x11,5cm. - Weight: 136kg.

Art.260C
FS-412C statistics panels, 2x12 players (Player No. +Fouls +Points)
Size: 2x 120x260x11,5cm. - Weight: 139kg.

Art.260F

FS-412F Panels of players' names, 2x12 players

Size: 2x 145x240x11,5cm. - Weight: 167kg.

FS-412E (Art.260E) FIBA approved.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 12 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), etc..

Functions displayed for each player (12 players per team):

Player number: [0-99], digits 15cm high.
Fouls/Penalties: [0-9], digits 15cm high.
Points: [0-99], digits 15cm high.

Technical characteristics for both panels:

- **Dimensions and weight:** 2x 80x240x11.5cm. 95kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 3m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 260VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.260E
FS-412E statistics panels, 2x12 players (Player No. + Fouls + Points), digits 15cm
Size: 2x 80x240x11,5cm. - Weight: 95kg.

Art.260D
FS-412D statistics panels, 2x12 players (Player No. + Fouls), digits 15cm
Size: 2x 80x240x11,5cm. - Weight: 93kg.

Art.260C
FS-412C statistics panels, 2x12 players (Player No. +Fouls +Points)
Size: 2x 120x260x11,5cm. - Weight: 139kg.

Art.260A
FS-412A statistics panels, 2x12 players (Fouls)
Size: 2x 120x260x11,5cm. - Weight: 133kg.

Art.260B
FS-412B statistics panels, 2x12 players (Player No. + Fouls)
Size: 2x 120x260x11,5cm. - Weight: 136kg.

FS-412F (Art.260F) FIBA approved.

Pair of panels (side displays) showing the name of 12 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), etc..

Functions displayed for each player (12 players per team):

Player name: 12 characters 15cm high.

Technical characteristics for both panels:

- **Dimensions and weight:** 2x 145x240x11.5cm, 167kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 240VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.260F
FS-412F Panels of players' names, 2x12 players
Size: 2x 145x240x11,5cm. - Weight: 167kg.

Art.260E
FS-412E statistics panels, 2x12 players (Player No. + Fouls + Points), digits 15cm
Size: 2x 80x240x11,5cm. - Weight: 95kg.

Art.260C
FS-412C statistics panels, 2x12 players (Player No. +Fouls +Points)
Size: 2x 120x260x11,5cm. - Weight: 139kg.

FS-414B (Art.262B) FIBA approved.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), Waterpolo, Handball, etc..

Functions displayed for each player (14 players per team):

Player number: [0-99], digits 15cm high.
Fouls/Penalties: [4 indicator lights + 1 red], diameter 3.2cm.

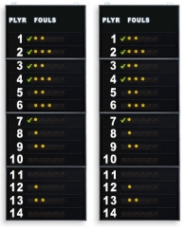
Technical characteristics for both panels:

- **Dimensions and weight:** 120x320x11.5cm, 84kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering..
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 170VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual



Art.262A
FS-414A statistics panels, 2x14 players (Fouls)
Size: 2x 120x320x11,5cm. - Weight: 165kg.

Art.262B
FS-414B statistics panels, 2x14 Players (Player No. + Fouls)

Size: 2x 120x320x11,5cm. - Weight: 168kg.

Art.262C
FS-414C statistics panels, 2x14 players (Player No. +Fouls +Points)
Size: 2x 120x320x11,5cm. - Weight: 172kg.

FS-414C (Art.262C) FIBA approved.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), Waterpolo, Handball, etc..

Functions displayed for each player (14 players per team):

Player number: [0-99], digits 15cm high.
Fouls/Penalties: [4 indicator lights + 1 red], diameter 3.2cm.
Points: [0-99], digits 14cm high.

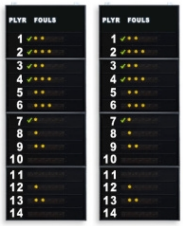
Technical characteristics for both panels:

- **Dimensions and weight:** 120x320x11.5cm, 86kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering..
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 290VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual



Art.262A
FS-414A statistics panels, 2x14 players (Fouls)
Size: 2x 120x320x11,5cm. - Weight: 165kg.

Art.262B
FS-414B statistics panels, 2x14 Players (Player No. + Fouls)

Size: 2x 120x320x11,5cm. - Weight: 168kg.

Art.262C
FS-414C statistics panels, 2x14 players (Player No. +Fouls +Points)
Size: 2x 120x320x11,5cm. - Weight: 172kg.

FS-414D (Art.262D) FIBA approved.

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), Waterpolo, Handball, etc..

Functions displayed for each player (14 players per team):

Player number: [0-99], digits 15cm high.
Fouls/Penalties: [0-9], digits 15cm high.

Technical characteristics for both panels:

- **Dimensions and weight:** 2x 80x300x11.5cm, 114kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering..
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 180VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.262D
FS-414D statistics panels, 2x14 Players (Player No. + Fouls), Digits 15cm
Size: 2x 80x300x11,5cm. - Weight: 114kg.

Art.262E
FS-414E Statistics panels, 2x14 players (Player No. + Fouls + Points), digits 15cm
Size: 2x 80x300x11,5cm. - Weight: 117kg.

Art.262A
FS-414A statistics panels, 2x14 players (Fouls)
Size: 2x 120x320x11,5cm. - Weight: 165kg.

Art.262B
FS-414B statistics panels, 2x14 Players (Player No. + Fouls)

Size: 2x 120x320x11,5cm. - Weight: 168kg.

Art.262C
FS-414C statistics panels, 2x14 players (Player No. +Fouls +Points)
Size: 2x 120x320x11,5cm. - Weight: 172kg.

Art.262F
FS-414F Panels of players' names, 2x14 players
Size: 2x 145x300x11,5cm. - Weight: 206kg.

FS-414E (Art.262E) FIBA approved.

Pair of statistics panels (side displays) showing the Player No., Fouls/Penalties and Points of 14 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), Waterpolo, Handball, etc..

Functions displayed for each player (14 players per team):

Player number: [0-99], digits 15cm high.
Fouls/Penalties: [0-9], digits 15cm high.
Points: [0-99], digits 15cm high.

Technical characteristics for both panels:

- **Dimensions and weight:** 2x 80x300x11.5cm, 117kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering..
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 300VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.262E
FS-414E Statistics panels, 2x14 players (Player No. + Fouls + Points), digits 15cm
Size: 2x 80x300x11,5cm. - Weight: 117kg.

Art.262D
FS-414D statistics panels, 2x14 Players (Player No. + Fouls), Digits 15cm
Size: 2x 80x300x11,5cm. - Weight: 114kg.

Art.262C
FS-414C statistics panels, 2x14 players (Player No. +Fouls +Points)
Size: 2x 120x320x11,5cm. - Weight: 172kg.

Art.262B
FS-414B statistics panels, 2x14 Players (Player No. + Fouls)

Size: 2x 120x320x11,5cm. - Weight: 168kg.

Art.262F

FS-414F Panels of players' names, 2x14 players

Size: 2x 145x300x11,5cm. - Weight: 206kg.

FS-414F (Art.262F) FIBA approved.

Pair of panels (side displays) showing the name of 14 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), Waterpolo, Handball, etc..

Functions displayed for each player (14 players per team):

Player name: 12 characters, 15cm high.

Technical characteristics for both panels:

- **Dimensions and weight:** 2x 145x300x11.5cm, 206kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **F.I.B.A. approved** (info, FIBA certificate). It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 280VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.262F
FS-414F Panels of players' names, 2x14 players
Size: 2x 145x300x11,5cm. - Weight: 206kg.

Art.262E
FS-414E Statistics panels, 2x14 players (Player No. + Fouls + Points), digits 15cm
Size: 2x 80x300x11,5cm. - Weight: 117kg.

FTT-1 (Art. 895)

Miniaturized device and Tester for fencing

The user can select three operation modes:

- Foil hit recorder.
- Epee hit recorder.
- Tester for the electric control of body cords and the 3 weapons.

The low cost, the easy use and the multiple functions make it an indispensable device for every fencer.

Foil hit recorder:

- FTT-1 is connected to the 3-pin plug of all the body cords in order to use it with any kind of connector in the weapons.
- It comes with a special clip, which is easily fixed to the athlete's clothing, close to the output of the body cord (small pocket, belt, etc.).
- It signals every time the tip of the weapon is pressed, even if this occurs on non-valid targets.
- It signals the hit only if the contact time of the tip is compliant with the FIE regulations, thus guaranteeing a correct execution.
- It is ideal for training because it makes reels, pistes, cables and signalling units superfluos.
- It allows to select 3 kinds of sonorous signalling:

  1. two of the signals last for 1 second and have different tonalities that distinguish the hits of the two competitors.
  2. a third signal has a short duration of 0.15 seconds in order to identify hits made in rapid succession during training.

Epee hit recorder:

- FTT-1 has all the characteristics listed for the foil hit recorder; the contact times of tip complies with the FIE regulations for epee.

Tester for the electric control of the body cords and the 3 weapons:

- The tester verifies the electric conductance of the circuits on the 3 weapons and on all kinds of body cords.
- The micro-interruptions of the circuits are signalled both visually and audibly even when they last a millisecond; in this manner uncertain contacts or brief disconnections during the movement of the cables can be identified.

Art.895
FTT-1 Fencing Trainer & Tester
The battery is included
Size: 7,6x4,8x1,6cm. - Weight: 0.06kg.

Art.876
12V alkaline BATTERY (A23, VR22 type)
Spare part
Weight: 0.01kg.

General Characteristics:

- **Automatic turn off**: after 5 minutes of inactivity.
- **Automatic reactivation**: at the first recorded event.
- **Standard battery, included**: 12V type A23.
- **Extremely reduced dimensions**: 7.6 x 4.8 x 1.6cm.
- **Super light**: 60g.

FULL-ARM-01/T (Art.824)

Recording machine for Fencing - TABLE VERSION

Technical Data:

- **According to the F.I.E. rule.** The white lamps are however formed of groups of yellow leds in order to obtain a better quality and low consumption.
- **Control of three weapons.**
- **Easy updating of the program** with the replacement of only one electronic component.
- **Manual or automatic rearmament,** selectable 1, 3 or 5 seconds.
- **Sound volume variable on 2 levels:** high and low.
- **Function of lights test and correct functioning of the weapons' circuits.**
- **Power supply:** 12Vac or 12Vdc, 400mA.
- **Low consumption:** 0.07A + 0.08A for each lamp lighted at 12Vdc.
- **Ideal to be fed by a small rechargeable Lead battery of 6-7Ah.** In this case, its autonomy, with one light always on, is of approx. 40 hours. The recording machine signals when the battery needs to be recharged or if the supply voltage is lower than 11VDC. This control is very useful in order to avoid excessive discharge that deteriorates the battery. Batteries (Art.828) and battery-chargers (Art.169) are available.
- **The lights are formed of groups of leds (typical life: 100.000 hours!).** The usual lamps and replacement problems are eliminated.
- **The 4 lights, the green one, the red one and the 2 white ones are formed of groups of 20 leds each,** respectively green, red and yellow. The yellow lamps which signal the loss of electricity are visualized with 2 yellow leds each.
- **It is equipped of 2 DATA-LINE outlets for the connection of 2 LIGHTS REPEATERS.** These connections are electrically insulated by means of optocouplers for safety. If it becomes necessary to carry out a lights control of high power, special controllers (CONTROL-LAMP) can be connected.
- **The membrane keyboard is sturdy,** reliable (5 million contacts) and it is protected from damage caused by dirt and liquids.
- **The container made of shockproof plastic is resistant** to the violent shocks of the weapons. In the same way the lights are protected.
- **Available in 2 versions: table version (Art.824)** and **wall version (Art.825).** The FULL-ARM-01 wall version can be transformed in the table version by applying the special TABLE ADAPTOR (Art.826). Vice versa, the table version can become wall version by removing this adaptor.
- **The wall version** (Art.825 FULL-ARM-01/W) is particularly recommended for fixed electrical systems in fencing Clubs. It is supplied with a terminal block for the direct connection of the weapons and of the power supply. The wall fixing is simple and immediate by means of 2 frontal screws. On the opposite wall you can fix the LIGHTS REPEATER. Both machines have an equal and pleasant aspect and are not cumbersome with only 4 cm thickness. The connection between FULL-ARM-01 and the LIGHTS REPEATER is carried out by means of a common telephone cable with 4 wires which can be up to 100 m long. In this way the system becomes very simple and economical.
- **Warranty: 2 years.**

Art.824
FULL-ARM-01/T 3-weapon apparatus. Table version
Power supply not included. We suggest the art.827 or 828 + 829
Size: 56x23,5x9cm. - Weight: 1.8kg.

Art.954
Power supply unit, 90-264V/12Vdc 2.5A, medical, for Full-Arm-01-05, FA-07
Weight: 0.34kg.

Art.852
BOX-04 transport case for Full-Arm-01-05
Size: 60x40x13,5cm. - Weight: 3.0kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.873
TABLE STAND - 1m high
Size: 55x6x4cm. - Weight: 1.1kg.

Art.825
FULL-ARM-01/W 3-weapon apparatus. Wall version
Power supply not included. We suggest the art.827 or 828 + 829
Size: 56x19x4cm. - Weight: 1.1kg.

Useful to control the Full-Arm-01/W (wall version) when it is fixed too high on the wall.

Art.837
Wired Remote Control for FA-01/W by 3.5m long cable
Size: 15,5x9x1,6cm. - Weight: 0.5kg.

Art.826
TABLE ADAPTER for FA-01-05
To transform the FA-01/W from the wall version to the desk version
Size: 28x22,5x8,5cm. - Weight: 0.65kg.

Art.894-A
LIGHTS REPEATER 230V
Size: 56x19x4cm. - Weight: 1.22kg.

Art.894-B
LIGHTS REPEATER 115V
Size: 56x19x4cm. - Weight: 1.22kg.

Art.894-C
LIGHTS REPEATER 12V
Power supply: 12V 400mA - not included. We suggest the art.954 or 828+169
Size: 56x19x4cm. - Weight: 1kg.

FULL-ARM-01/W (Art.825)

Recording machine for Fencing - WALL VERSION

Technical data:

- **According to the F.I.E. rule.** The white lamps are however formed of groups of yellow leds in order to obtain a better quality and low consumption.
- **Control of three weapons.**
- **Easy updating of the program** with the replacement of only one electronic component.
- **Manual or automatic rearmament,** selectable 1, 3 or 5 seconds.
- **Sound volume variable on 2 levels:** high and low.
- **Function of lights test** and correct functioning of the weapons' circuits.
- **Power supply:** 12Vac or 12Vdc, 400mA.
- **Low consumption:** 0.07A + 0.08A for each lamp lighted at 12Vdc.
- **Ideal to be fed by a small rechargeable Lead battery of 6-7Ah.** In this case, its autonomy, with one light always on, is of approx. 40 hours. The recording machine signals when the battery needs to be recharged or if the supply voltage is lower than 11VDC. This control is very useful in order to avoid excessive discharge that deteriorates the battery. Batteries (Art. 828) and battery-chargers (Art.169) are available.
- **The lights are formed of groups of leds (typical life: 100.000 hours!).** The usual lamps and replacement problems are eliminated.
- **The 4 lights, the green one, the red one and the 2 white ones are formed of groups of 20 leds each,** respectively green, red and yellow. The yellow lamps which signal the loss of electricity are visualized with 2 yellow leds each.
- **It is equipped of 2 DATA-LINE outlets for the connection of 2 LIGHTS REPEATERS.** These connections are electrically insulated by means of optocouplers for safety. If it becomes necessary to carry out a lights control of high power, special controllers (CONTROL-LAMP) can be connected.
- **The membrane keyboard is sturdy,** reliable (5 million contacts) and it is protected from damage caused by dirt and liquids.
- **The container made of shockproof plastic is resistant** to the violent shocks of the weapons. In the same way the lights are protected.
- **Available in 2 versions: table version (Art.824)** and **wall version (Art.825).** The FULL-ARM-01 wall version can be transformed in the table version by applying the special TABLE ADAPTOR (Art.826). Vice versa, the table version can become wall version by removing this adaptor.
- **The wall version** (Art.825 FULL-ARM-01/W) is particularly recommended for fixed electrical systems in fencing Clubs. It is supplied with a terminal block for the direct connection of the weapons and of the power supply. The wall fixing is simple and immediate by means of 2 frontal screws. On the opposite wall you can fix the LIGHTS REPEATER. Both machines have an equal and pleasant aspect and are not cumbersome with only 4 cm thickness. The connection between FULL-ARM-01 and the LIGHTS REPEATER is carried out by means of a common telephone cable with 4 wires which can be up to 100 m long. In this way the system becomes very simple and economical.
- **Warranty: 2 years.**

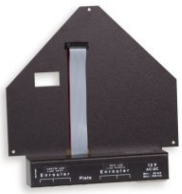
Art.825
FULL-ARM-01/W 3-weapon apparatus. Wall version
Power supply not included. We suggest the art.827 or 828 + 829
Size: 56x19x4cm. - Weight: 1.1kg.

Art.954
Power supply unit, 90-264V/12Vdc 2.5A, medical, for Full-Arm-01-05, FA-07
Weight: 0.34kg.

Useful to control the Full-Arm-01/W (wall version) when it is fixed too high on the wall.

Art.837
Wired Remote Control for FA-01/W by 3.5m long cable
Size: 15,5x9x1,6cm. - Weight: 0.5kg.

Art.826
TABLE ADAPTER for FA-01-05
To transform the FA-01/W from the wall version to the desk version
Size: 28x22,5x8,5cm. - Weight: 0.65kg.



Art.826-W
WALL ADAPTER for FA-01-05
The insertion of the connectors comes from the bottom
Size: 20,2x20,5x3,5cm. - Weight: 0.47kg.

Art.894-A
LIGHTS REPEATER 230V
Size: 56x19x4cm. - Weight: 1.22kg.

Art.894-B
LIGHTS REPEATER 115V
Size: 56x19x4cm. - Weight: 1.22kg.

Art.894-C
LIGHTS REPEATER 12V
Power supply: 12V 400mA - not included. We suggest the art.954 or 828+169
Size: 56x19x4cm. - Weight: 1kg.

Art.824
FULL-ARM-01/T 3-weapon apparatus. Table version
Power supply not included. We suggest the art.827 or 828 + 829
Size: 56x23,5x9cm. - Weight: 1.8kg.

Art.852
B O X - 0 4 t r a n s p o r t c a s e f o r Full-Arm-01-05
Size: 60x40x13,5cm. - Weight: 3.0kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

FULL-ARM-03 (Art.830)

MULTI-PURPOSE EQUIPMENT FOR FENCING (F.I.E. approved).

FULL-ARM-03 (Art.830)

The FULL-ARM-03 electronic apparatus for use in fencing, while similar to regularly-employed equipment, offers many use-functions as well as a series of unique and innovative features.

- A **flat keyboard** that is both sturdy and reliable (with a minimum of 5 million contacts per key). Coloured keys with print that makes them ready for instant usage.
- An **LCD** (**liquid crystal display**) terminal with 80 characters, a display which provides a continuous showing of the equipment's operational status: counter-thrusts, timer (count figures and beginning figures), match counter, precedence (or priorité), penalty cards, type of weapon and programme at work, automatic reset time, sound level, possible halt of operations, and supply voltage.
- All of the apparatus' displays can be repeated on an outer PANEL-02 screen. Three panels may be connected at the same time. In addition to this link-up, which occurs through use of a simple telephone wire, there is an optocoupler which prevents dangerous power surges from flowing into the equipment.
- **CONTROL OF THE THREE WEAPONS** with the possibility of selecting several programmes for the same weapon (e.g., a sabre with or without a sensor, with or without a fouet). Manual or automatic reset, variable automatic re-setting time, sound volume variable at three levels.
- Built-in **COUNTER-THRUST** with a count up to 99. Increase, decrease and a return to zero. Automatic-count possibility when the épée is being used.
- Built-in **TIMER** with the start time already entered and such related selectable uses as: AUTOMATIC STOP, ONE-MINUTE WARNING BUZZER, ONE-MINUTE PAUSE and TEN-MINUTE PAUSE (with memorization of the previous point count). A signal light (or LED) on the front clearly indicates whether the timer has stopped working or is in an individual match count or pause status.
- A **MATCH-counter**, display of the **PRIORITÉ** (with manual and random control), yellow and red PENALTY CARDS with an automatic increase in the other fencer's score.
- Built-in receiver for the TELE-FULL-ARM **remote control** device, operating by means of the innovative system described below. Connector for linking up an additional EXTERNAL RECEIVER for the remote control device. Connector for the remote link-up of an additional EXTERNAL BUZZER.
- **POWER SUPPLY:** 12Vdc or 12Vac on the same two lines. There is no need to worry about polarity when the equipment is battery-operated. The supply voltage can be monitored constantly on the LCD display: indication is given when the feed becomes insufficient. Energy consumption: 0.2A with the lights off, plus 0.7A for every light turned on.
- **Sturdy metal box**. The upper lamp unit can also be seen from the back, and it is protected by a sturdy metal profile.
- **Measurements:** 11.4cm in height, 27.7cm in width, 20cm in depth.
- **Weight:** 2.4kg. (about 5.3lbs).

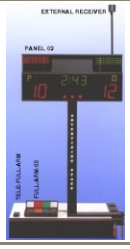
Art.830
FULL-ARM-03 3-weapon apparatus
Power supply: 12V 4A max - not included.
We suggest the art.854 or a car battery
Size: 28x19,7x11,2cm. - Weight: 2.4kg.

Art.854-A
SAFETY TRANSFORMER 230/12V 3.4A
Weight: 1.3kg.

Art.854-B
SAFETY TRANSFORMER 115/12V 3.4A
Weight: 0.9kg.

Art.840
TELE-FULL-ARM infrared remote control for FA-05-03
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.835
PANEL-02 repeater panel
Power supply: 12V 4A max - not included.
We suggest the art.854 or a car battery
Size: 84,5x40,5x7cm. - Weight: 9.5kg.



Art.848
KIT-BOX-01 kit for fencing
Composed from articles: 830+840+841+835+850.
Size: 126x56x14cm. - Weight: 33kg.

ACCESSORIES

PANEL-02

- REPEATER PANEL

Extremely useful for a viewing of all necessary information even at a distance.

TELE-FULL-ARM

- REMOTE CONTROL

For the remote control of:

- **Counter-thrusts:** increase, decrease and re-setting at zero.
- **Timer:** start-stop, priming of the start time, one-minute pause.
- **Various use-functions:** re-setting, yellow and red cards, match-counter, manual and random priorité, halting of the machine's operations.
- Innovative transmission system. Each remote control device has a different transmission code, one that cannot be altered and to which access is impossible. All the FULL-ARM-03 apparatus may be "tuned in" through use of a special key on any remote control device, but on only one such device at a time. This feature offers the following advantages:

    1. any piece of equipment can be synchronized to any remote control device by simply pressing two buttons, one on the machine itself and one on the remote control;
    2. two remote control devices can never be synchronized on the same apparatus, because otherwise there may result bothersome interference;
    3. it is not necessary to set the same code on the remote control and the receiver or to check to be certain that that code is different from all the others;
    4. a remote control device that is broken or has worn-down batteries can immediately be replaced.

- Using the remote control, it is likewise possible to "block" or "unblock" the machine in order to keep it from being used at certain times. In addition, there are two types of blocking:

    1. BLOCK 1, in which only the use of weapons is activated (the fencers may practice);
    2. BLOCK 2, in which all the apparatus' keys are made inactive.

- Operation of the remote control is indicated a red led which lights up on the remote control itself, whereas proper reception is indicated by a yellow led on the front of the machine as well as by an audible beep.

  The remote control device is of the infrared type (as is the case with televison sets). The possibility that an obstacle of some form positioned in front of the FULL-ARM-03 might neutralize the remote control can be countered by the use of a second receiver (EXTERNAL RECEIVER), one which may be placed above the repeater panel or to the side of the platform or fencing strip. The advantage of infrared transmission is that one does not hear disturbances originating outside, as is often the case with radio transmissions (because in the latter instance transmission cannot be guaranteed: radios are subject to interference from other transmitters on the same frequency, even when they are situated at a considerable distance).
- **Power supply:** with a 9-volt alkaline battery on the inside.
- **Endurance:** about 150,000 operations!
- **Sturdy alluminum box** with well-limited measurements: 11cm x 4.8cm x 2.2cm.
- Flat keyboard.

EXTERNAL RECEIVER

- **FOR THE REMOTE CONTROL DEVICE**

This item is useful as a second receiver for the remote control. It comes with a pole for quick placement above a repeater panel and a telephone cord 3m. in length for direct connection with the FULL-ARM-03. 180 degrees reception.

EXTERNAL BUZZER

For repeating at a distance the sound emanating from the FULL-ARM-03 apparatus. Comes equipped with a cord 15 metres in length.

FULL-ARM-05 (Art. 831)

Multifunctional Fencing Recorder (F.I.E. - approved)

FULL-ARM-05 (Art.831)

- F.I.E. **Approved.**
- **CONTROL FOR 3 WEAPONS.** Manual or automatic rearmament.
  Selection of two programmes for the sabre (with or without whip-over).
  Selection of a programme useful for epée teaching, which signals the hits in rapid succession.
  A special control prevents the annoying continuous noise that occurs in sabre and foil when the fencers are not connected.
- The FULL-ARM-05 programme can be **easily** updated by replacing a single electronic component.
- **SCORER:** height of the digits 7cm, legible up to a distance of 25-30m. Count up to 99. Increase, decrease, and zero out.
- **CHRONOMETER:** height of the digits 5.2cm, legible up to a distance of 15-20m away. Start/Stop, 1 minute pause, Load start time. The colour of the two lighted dots between the minutes and seconds clearly and immediately indicates the chronometer status. GREEN = counting; RED = stopped.
- **Counting the MATCHES.** Signaling for fencer **PRIORITY**, with manual and random selection. Signaling for **PENALTY CARDS.** The red card automatically increases the opponent's point score.
- Membrane **keyboard**: sturdy and reliable (5 million contacts per key).
- Sound **volume** adjustable to three levels. The various events are indicated by different sound signals: hit, end of time, abnormalities.
- The apparatus uses **two DATA-LINE** sockets to connect LIGHTS REPEATERS (Art.894). The Data-Line sockets can be easily increased to four by using an inexpensive accessory connector (Art.880). For greater safety, the Data-Line sockets are insulated electrically through the use of optocouplers.
- **The cables** connecting to the repeaters, ordinarily provided with the latter, are regular telephone cables that can be easily extended to 100m, if necessary.
- **ALL** the visual displays on the FULL-ARM-05, including the lights signalling hits (one red, one green, and two white lights) consist of high-efficiency LED's (average life: 100,000 hours). Therefore, the problems associated with short life and replacement of normal filament lamps are eliminated.
- **Power supply:** 12Vac or 12Vdc. THE ELECTRICAL POWER USED IS MINIMAL, thanks to exclusive use of high-efficiency LED's. The maximum total power used, with two coloured lights switched on, is only 4 watts. The Full-Arm-05 can also be supplied by a small rechargeable lead-acid battery 12V, 6-7Ah. In this case, it lasts for about 30 hours before requiring recharging. We can supply both the battery (Art.828) and the battery charger (Art.169).
  Low battery indication.
- **The case**, made of shock-proof plastic (the front part is in polycarbonate), is resistant even to violent accidental blows with the weapons.
- **Dimensions:** width 56cm, height 23.5cm, depth 8.5cm.
- **Two year warranty.**

Art.831
FULL-ARM-05 desk version (remote control included)
Power supply not included. We suggest the art.827 or 828 + 829
Size: 56x23,5x9cm. - Weight: 2kg.

Art.831/W
FULL-ARM-05/W wall version (remote control included)
Power supply not included. We suggest the art.827 or 828 + 829
Size: 56x21,5x4,5cm. - Weight: 1.8kg.

Art.954
Power supply unit, 90-264V/12Vdc 2.5A, medical, for Full-Arm-01-05, FA-07
Weight: 0.34kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.873
TABLE STAND - 1m high
Size: 55x6x4cm. - Weight: 1.1kg.

Art.852
BOX-04 transport case for Full-Arm-01-05
Size: 60x40x13,5cm. - Weight: 3.0kg.

Art.856
Power cord 3.5m, with clamps for connect. to a car battery
Weight: 0.36kg.

Art.840
TELE-FULL-ARM infrared remote control for FA-05-03
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

REMOTE CONTROL (Art. 840) - Provided with the FULL-ARM-05.

- **It controls** the chronometer, the scorer, the rearmament, the matches, the penalty cards and the priority.
- Maximum range: **greater than 20m** if positioned directly in front of the FULL-ARM-05.
- Innovative transmission system: every remote control has a unique inalterable and inaccessible transmission code. By simply pressing the appropriate key, every FULL-ARM-05 can be programmed to recognise any remote control, but only one remote at a time.
  This feature gives several advantages:

1. any apparatus can receive and recognise any remote control simply through the pressing down of two keys, one on the apparatus and one on the remote control

2. two remote controls can never operate the same apparatus, so all possible illicit interference will be eliminated;
3. it is not necessary to set the same code on the remote control and the FULL-ARM-05, nor to check to be certain that that code is different from all the others; and;
4. there is no limit to the number of apparatus that can be connected in the same fencing arena.

- Correct functioning of the remote control is shown by a red light, while correct reception is indicated by a yellow light on the FULL-ARM-05.
- The remote control operates by using infrared rays. The advantage of infra-red ray transmission is that it is not affected by external factors, as it can occur with the transmission via radio, whose operations may easily be disturbed by transmitters operating on the same frequency, even when located a great distance away.
- **Remote control power supply:** the remote control is supplied by a 9-volt alkaline battery. It transmits approximately 150,000 commands.
- Sturdy aluminium casing in a compact size: 11 x 4.8 x 1.2cm. Weight: 170g.
- Sturdy membrane keyboard.

ACCESSOIRES

The FULL-ARM-05 comes complete only with the remote control.
Depending on the type of power supply desired to supply the apparatus, the following items can be ordered:

- For the 100-240V power supply: **Art.954**
- For the battery power supply:
  Art.828 RECHARGEABLE BATTERY 12V/6-7Ah
  BATTERY CHARGER: Art.829-B, Art.169

Other useful accessories are:

- **Art.852** BOX-04 carrying case. The carrying case may also house the battery (Art.828), the battery charger (Art.169) and the 1m high table-top stand (Art.873).
- **Art.873** 1m high table-top stand.
- **Art.856** Power cord with clamps for connection to a car battery.
- **Art.832** FULL-ARM-05/REPEATER. It allows the duplication at distance of **all the information** provided by the FULL-ARM-05.
- **Art.894** LIGHTS REPEATER.
- **Art.880** Doubler for the Data-Line output signal.

Art.880
DOUBLER of the Data-Line signal
Weight: 0.01kg.

Art.832
Full-Arm-05 REPEATER, wall version
Power supply: 12V 400mA - not included. We suggest the art.827 or 828 + 829
Size: 56x23,5x9cm. - Weight: 1.65kg.

Art.894-A
LIGHTS REPEATER 230V
Size: 56x19x4cm. - Weight: 1.22kg.

Art.894-B
LIGHTS REPEATER 115V
Size: 56x19x4cm. - Weight: 1.22kg.

Art.894-C
LIGHTS REPEATER 12V
Power supply: 12V 400mA - not included. We suggest the art.954 or 828+169
Size: 56x19x4cm. - Weight: 1kg.

Art.847
PLAY40/FENCING
Size: 150x98x7cm. - Weight: 33kg.

FULL-ARM-05/REPEATER (Art.832)

Repeater panel

- **It allows the duplication at distance of all the information** provided by the FULL-ARM-05 of which it reflects form and dimension. Therefore it represents the ideal complement for the realization of fixed electrical systems. Their installation at the opposite sides of the board is simple, with a pleasant aspect and not very cumbersome (thickness only 4cm).
- **It is equipped with a cable 30m long** for the direct connection to the FULL-ARM-05. This cable can be easily extended up to 100m.
- **Power supply:** 12Vac/dc, 115Vac, 230Vac.

Art.832
Full-Arm-05 REPEATER, wall version
Power supply: 12V 400mA - not included. We suggest the art.827 or 828 + 829
Size: 56x23,5x9cm. - Weight: 1.65kg.

Art.954
Power supply unit, 90-264V/12Vdc 2.5A, medical, for Full-Arm-01-05, FA-07
Weight: 0.34kg.

Fencer-end socket with reel cable

(Art.907)

Cable 20m long with fencer-end socket, for reel.

Art.907
Cable 20m long with fencer-end socket, for reel
Spare part
Weight: 0.3kg.

Art.906
REEL FENCER-END SOCKET,complete
Weight: 0.05kg.

Art.900-C1
CABLE FOR REEL, 20m long
Spare part
Weight: 0.3kg.

FENCER'S-END SOCKET

(Art.906)

REEL FENCER-END SOCKET,complete

Art.906
REEL FENCER-END SOCKET,complete
Weight: 0.05kg.

Art.906-1
Plastic parts for Fencer-End socket
Spare part
Weight: 0.011kg.

Art.906-2
Set of screws for Fencer-End socket
Spare part
Weight: 0.006kg.

Art.906-3
Circuit board with 3 sockets
Spare part
Weight: 0.005kg.

Art.906-4
Cable spring for Fencer-End socket
Spare part
Weight: 0.004kg.

Art.906-5
Retaining clip for Fencer-End socket
Spare part
Weight: 0.002kg.

Art.906-6
Fastener for spring-hook
Spare part
Weight: 0.001kg.

Art.906-7
Spring hook for Fencer-End socket
Spare part
Weight: 0.011kg.

Art.906-8
Protective tube for the exit cable of Fencer-End socket
Spare part
Weight: 0.003kg.

Foil/Sabre body cord (Art.914)

Foil/Sabre body cord, 2-Pin model

Art.914
Foil/Sabre body cord, 2-Pin model
Weight: 0.11kg.

Art.910
3-Pin Plug for floor and body cord
Weight: 0.021kg.

Art.918
2-PIN PLUG for foil/sabre body cord
Weight: 0.013kg.

Art.914-1
Crocodile clip
Spare part
Weight: 0.013kg.

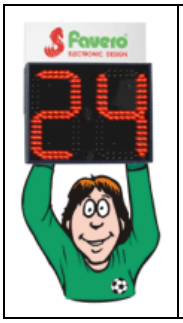
Art.912-1
Extraflexible 3-wire cable for body cord, 180cm long
With tin-plated finals
Weight: 0.07kg.

Art.916
Extraflexible 3-wire cable for body cord (1 meter)
To order one coil of the wished length
Weight: 0.034kg.

INOUT Display /1 (Art.291)

Substitution / Extra Time Board

Football/Soccer Substitute Board - Visualiser of numbers of players entering and exiting as substitutes in football (soccer) game.



Displays one number at a time

Art.291
Substitute Board, INOUT Display/1
It is included the carrying case and the battery charger.
Size: 44x41x10cm. - Weight: 4.3kg.

- The electronic display provides a image of modernity as well as being more practical in its use than the traditional cards. Its luminosity attracts attention and is therefore useful for sponsor advertising.
- **There are 2 models available.**
  The INOUT DISPLAY/2 visualizes the two numbers simultaneously.
  The INOUT DISPLAY/1 visualizes one number at a time. The two numbers, ingoing and outgoing, are however previously registered and then respectively visualised with the IN and OUT buttons.
- **The number is visualised in:**
  RED FLASHING for the ingoing player
  RED FIXED for the outgoing player
- The INOUT DISPLAY is also useful for indicating the **time added on** for stoppages.
- The numbers are **28cm** high. They are capable of visualising figures from 0 to 99. They are formed with high efficiency leds that are clearly visible even in bright sunlight.
- An appropriate electronic control keeps the **luminosity** of the numbers constant as long as the battery still has some life.
- Two convenient **handles**, placed on the rear part, render the display easy to be lifted and carried.
- A strong **membrane keyboard**, with reaction to touch, is situated between the two handles, this permits easy and convenient control of the visualiser.
- **Internal rechargeable lead battery**: 6V 1.2A. When the battery is fully charged, about 30 visualisations of one minute's duration can be carried out. **Its average life is 5 years**. It is easy to remove and substitute.
- Special attention has been paid to the maintenance of the efficiency of the battery. The equipment **turns itself off automatically** after a certain period of time during which no key has been pressed. However the battery is subject to its own auto-discharge, it is therefore necessary to re-charge it, at least every 9 months, even if it has not been in use.
- The **BATTERY CHECK** button allows a check of the charge level of the battery, indicating a value of 0 (flat) to 5 (fully charged).
- Guarantee of **2 years**.
- **Dimensions** and **weight**, with carrying case and battery charger included: 44 x 41 x 10cm - 4.3kg

The **INOUT DISPLA**Y is equipped with:

- **Carrying case** for transport.
- **Battery charger.** The standard version is with 230V input. 115V is available on request.
- **Advertising panel** for the sponsor. In the event of there being more than one sponsor, there is a very fast panel change. The dimensions of the advertising space vary according to the model, and are: 37 x 14cm facial part, 37 x 29cm rear part.

INOUT-4 and INOUT-8 (art.290-04 and art.290-08)

Substitution / Extra Time Boards

Football/Soccer Substitute Board

Substitution board for Football/Soccer. Useful for displaying the number of players entering and exiting and for displaying the final recovery time.

NB: The FIFA does not require an approval procedure for this type of product; for further information please see F.A.Q.

Available models:
art.290-04 **INOUT-4** substitution board, one sided display
art.290-08 **INOUT-8** substitution board, double-sided display

YouTube video: **http://www.youtube.com/watch?v=OcEXWO8kj6A**

Common features of the 2 models:
- Height of digits: 23.5cm. Readability distance: 100m.
- Use of high brightness LEDs suitable for outdoors: red for exiting player and green for entering player.
- Typical brightness: 6000cd/sq.m.
- Sturdy numerical membrane keyboard for easy insertion of numbers. Lifespan for each key: more than 2 million operations.
- Rechargeable internal battery. With a charged battery about 150 displays of 20 seconds each can be effectuated for the INOUT-4, and about 80 displays for the INOUT-8.
- Display of battery level via a specific key.
- Automatic off function for battery saving.
- Battery charger provided.
- Space for sponsor stickers: front 45x8cm, back 31x8cm.
- Sturdy plastic container with a pleasing design.
- Complied with the regulation EN60950-1 for crash tests
- Size: 55.5x36x4cm. Weight INOUT-4: 2.75 kg. Weight INOUT-8: 3.25 kg.
- Protection class: IP54. For outdoor use, resistant to bad weather.
- Warranty: 2 years (info)
- Marks: CE Mark, Made in Italy

Optional accessories (not included)
art. 290-20 Carrying case for INOUT 4-8.
Sturdy carrying case for easy transportation.
Size and weight of case: 60x40x13.5cm, 2.4 kg.

Registered Design No. 002083147-0001, protected in all the countries of the European Union.

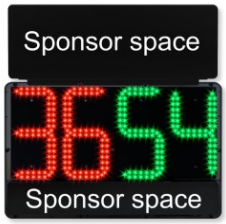
1-side, Only Front

Art.290-04
INOUT-4 substitution board, one sided display
Size: 55,5x36x4cm. - Weight: 2,75kg.

2-sides, Front+Back

Art.290-08
INOUT-8 substitution board, double-sided display (front and back)
Size: 55,5x36x4cm. - Weight: 3,25kg.

Art.290-20
Carrying case for INOUT-4-8
Size: 60x40x13.5cm. - Weight: 2.4kg.



Art.290-30
Sponsor panel for INOUT-4-8 (Sponsor space 53.5x19cm)
Size: 54x21x4,2cm. - Weight: 0,5kg.

INTERNET ACCESS/PC (Art.743)

An electronic device for remote enabling of Personal Computers (INTERNET rooms, videogames on PC, safety, etc.). It is ideal for the management of payment by time with hourly tariff controllers. A simple electrical contact enables both keyboard and mouse to operate.

INTERNET ACCESS/PC comes complete with:

- 230Vac power cord with plug.
- ENABLE line. By short circuiting the 2 conductors of this line, the mouse and the keyboard are enabled. The enable contact can be supplied automatically from various types of hourly tariff controllers (see ARTICLE CODES).
- Keyboard and mouse connectors (2 input and 2 output connectors). They are connected just as extensions.
- Two indicator lamps wich can be seen through a hole in the lid, they signal:

    1. Red indicator lamp: INTERNET ACCESS on;
    2. Green indicator lamp: keyboard and mouse enabled.

- Upon start-up, the keyboard and the mouse are enabled automatically for 4 minutes for allowing the PC to recognize them whilst the Operating System is being loaded. INTERNET ACCESS and the PC must therefore be connected to the same power supply line. If required the enable time can be changed.
- **Power supply:** 230Vac, 10mA; available the 115Vac version, selectable during the purchase.
- **Measurements:** width 8cm, height 7cm, depth 12cm.
- **Weight:** 0.6kg.

Art.743
INTERNET ACCESS/PC-PS2
Size: 8,8x12,8x6cm. - Weight: 0.53kg.

Art.200
COIN TIMER
Size: 21,5x35,5x21,5cm. - Weight: 6kg.

Art.121
LCD20/L with lamp control
Size: 18,6x10,6x7,2cm. - Weight: 1.07kg.

Art.708
MICRO8
Size: 21,3x12,3x5,6cm. - Weight: 0.75kg.

Art.700
MICRO32
Size: 37x11x16cm. - Weight: 4.6kg.

Art.739
CONTROL-LAMP-4 (4 lamps controller)
Size: 20x15x8cm. - Weight: 0.7kg.

Art.740
CONTROL-LAMP-8 (8 lamps controller)
Size: 24,5x19,7x9,5cm. - Weight: 1.25kg.

Art.741
CONTROL-LAMP-16 (16 lamps controller)
Size: 31x23,5x12,7cm. - Weight: 1.8kg.

INTERNET ACCESS /TEL (Art.744)

An electronic device for remote enabling of Personal Computers (INTERNET rooms, videogames on PC, safety, etc.). It is ideal for the management of payment by time with hourly tariff controllers.

A simple electrical contact enables the telephone line. Therefore it comes with 2 thelephone cables: 1 for input and 1 for output complete with plug and socket type RJ11.

Technical data:

- **Power supply**: 230Vac, 10mA; disponible the 115Vac version, selectable during the purchase.
- **Measurements**: width 8cm, height 7cm, depth 12cm.
- **Weight**: 0.6kg.

Art.744
INTERNET ACCESS/TEL
Size: 8,8x12,8x6cm. - Weight: 0.45kg.

Art.121
LCD20/L with lamp control
Size: 18,6x10,6x7,2cm. - Weight: 1.07kg.

Art.200
COIN TIMER
Size: 21,5x35,5x21,5cm. - Weight: 6kg.

Art.708
MICRO8
Size: 21,3x12,3x5,6cm. - Weight: 0.75kg.

Art.700
MICRO32
Size: 37x11x16cm. - Weight: 4.6kg.

Art.739
CONTROL-LAMP-4 (4 lamps controller)
Size: 20x15x8cm. - Weight: 0.7kg.

Art.740
CONTROL-LAMP-8 (8 lamps controller)
Size: 24,5x19,7x9,5cm. - Weight: 1.25kg.

Art.741
CONTROL-LAMP-16 (16 lamps controller)
Size: 31x23,5x12,7cm. - Weight: 1.8kg.

Items out of production

Art.265-10
..... # Product out of production #.... Radio Receiver for FS-series scoreboards
Size: 23x18x7cm. - Weight: 1,1kg.

Art.0022-0200
...# Product out of production #...Spring contact for 4mm pin
Spare part
Weight: 0,01kg.

Art.302-01
..... # Product out of production #.... Radio receiver for FOS-series scoreboards
Size: 16x12x8cm. - Weight: 1kg.

Art.328-25
... # Product out of production #.... Board for advertisement 85X25cm
Size: 85x25x0,3cm. - Weight: 2.1kg.

Art.960-02
... # Product out of production #... Pedestals to position the FR240 apparatus at 190 cm from the floor

ACCESSORIES (not included): Art.960-02 Pedestals to position the FR240 apparatus at 190cm from the ground. In order to improve the stability of the FR240, should fencers' or other people bump into it, we recommend fixing the 180cm pedestals on a wooden panel placed on the floor, using the specially provided holes. The panel should measure 112x100x2cm or more; it is not provided.

Weight: 12kg.

Art.169A
... # Product out of production #... BATTERY CHARGER 230/13.8Vdc , Euro plug
Weight: 0.5kg.

Art.169B
... # Product out of production #... BATTERY CHARGER 115/13.8Vdc , US plug
Weight: 0.5kg.

Art.169U
... # Product out of production #... BATTERY CHARGER 230/13.8Vdc , UK plug
Weight: 0.6kg.

Art.348
..... # Product out of production #.... Infrared remote control for Play20V-30V
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.336
...# Product out of production #...Infrared remote control for CRONO and CRONO-M
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.326
...# Product out of production #... Infrared remote control for PLAY20-20d
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.168-3
...# Product out of production #...Adapter 90-264V/12Vdc-1A UK plug
Weight: 0.3kg.

Art.168-2
...# Product out of production #...Adapter 90-264V/12Vdc-1A US plug
Weight: 0.3kg.

Art.168-1
...# Product out of production #...Adapter 90-264V/12Vdc-1A Euro plug
Weight: 0.3kg.

Art.234C
...# Product out of production #...Universal Adapter 100-240V /12V-1A, DC plug / UK plug
Weight: 0,3kg.

Art.234B
...# Product out of production #...Universal Adapter 100-240V /12V-1A, DC plug / US plug
Weight: 0.3kg.

Art.234A
...# Product out of production #...Universal Adapter 100-240V /12V-1A, DC plug / Euro plug
Weight: 0,3kg.

Art.444
...# Product out of production #...THICKNESS 4mm for Pool balls ø52-54mm

Art.299/2
...# Product out of production #...Advertisement board for INOUT DISP/2

Art.958
...# Product out of production #...Display of name and country of the two fencers
Size:

Visualizzatore del nome e nazione dei 2 schermitori

cm. -

Art.299/1
...# Product out of production #...Advertisement board for INOUT DISP/1

Art.743T
...# Product out of production #...INTERNET ACCESS/PC-PS2 + TEL

Art.286
...# Product out of production #....REMOTE CONTROL for KIT24 by 15m cable
Size: 15,5x9x1,6cm. - Weight: 0.9kg.

Art.297/115
.........# Product out of production #.....BATTERY CHARGER 115/7,2Vdc 500mA
Weight: 0.45kg.

Art.297/230
...# Product out of production #...BATTERY CHARGER 230/7,2Vdc 500mA
Weight: 0.45kg.

Art.270-01
... # Product out of production #...30S-7A chip, to upgrade the old KIT24s to the new 14 seconds rule
Weight: 0,01kg.

Art.162-04
... # Product out of production #... PSK-6 chip to upgrade the PS-Karate to the 2009 WKF rules
Weight: 0,01kg.

Art.164-04
.........# Product out of production #.....PSJ-4 chip to upgrade the PS-Judo to the new 2009 IJF rules
Weight: 0.01kg.

Art.850
...# Product out of production #...BOX-01 carrying case (126x56x14cm)
Size: 126x56x14cm. - Weight: 9.4kg.

Art.827
.....# Product out of production: Replaced by Art.954...Power supply unit, 90-264V/12Vdc 1A, medical, for Full-Arm-05-01
It has been replaced by the art.954 which can supply also the FA-07
Weight: 0.32kg.

Art.827-A
.....# Product out of production #..... POWER SUPPLY 230/12V 500mA - Europe plug (for FullArm-01-05)
POWER SUPPLY 230/12V 500mA - Europe plug (for FullArm-01-05)
Weight: 0.4kg.

Art.827-B
.....# Product out of production #..... POWER SUPPLY 120/12V 500mA - US plug
(for FullArm-01-05)
Weight: 0.4kg.

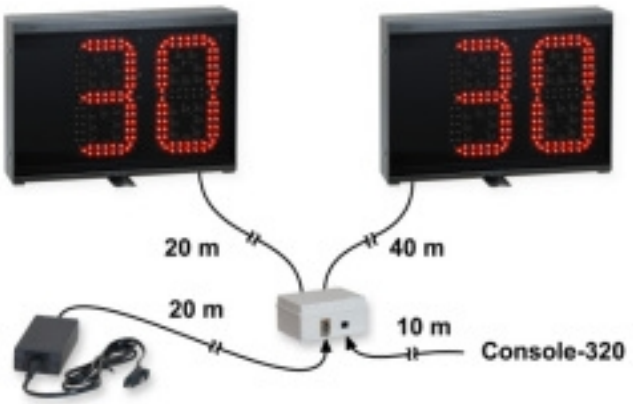
Art.829-U
... # Product out of production #... BATTERY CHARGER 230/13,8Vdc - UK plug
For battery art.828
Weight: 0.63kg.

Art.827-U
.....# Product out of production #..... POWER SUPPLY 230/12V 500mA - UK plug
(for FullArm-01-05)
Weight: 0.4kg.

Art.829-A
...# Product out of production #... BATTERY CHARGER 230/13,8Vdc 500mA - Europe plug
For battery art.828
Weight: 0.55kg.

Art.829-B
...# Product out of production #... BATTERY CHARGER 115/13,8Vdc - US plug
For battery art.828
Weight: 0.55kg.

KIT FS-30s (Art. 259)



The **KIT FS-30s** is designed for displaying ball possession time in Water Polo. Current regulation possession time is 30 seconds.

The **KIT FS-30s** is composed of two 30-seconds display panels and a 24V power supply unit which secures isolation of the electrical power supply. The power supply unit comes with a 20m cable for connection from points far from the pool.

CHARACTERISTICS

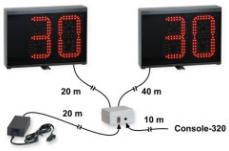
- **20cm-high digits** in red.
- **Distance and readability angle:** 90m (300ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls".
- **End of time acoustic buzzer** on each display.
- Connecting cables to the 2 display panels: 1 x 20m + 1 x 40m, supplied.
- Connecting cable to the power supply unit for securing isolation of the electrical mains: 20m, supplied.
- Connecting cable to the control console: 10m, supplied.
- **Conformal Coating** (anti-moisture) of the electronic boards.
- Possibility of adding two more 30-seconds display panels (art.259-01).
- **Guarantee:** 2 years (info).
- Dimensions and weight of each display panel: 41x29x8.5cm, 5.1kg.
- **Power supply:** 100-240Vac, 50-60Hz, 60VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **SCOREBOARD CONTROL CONSOLE**:

1. **Console-700 Art.308-01** ... >> Photo
   The 30 seconds indicators are controlled using the "Console-700" control console for the electronic scoreboard, which we recommend be connected to the "**Time-Console-03**", especially designed with 3 convenient levers to make it easier to operate the 30 seconds shot clock.

2. **FS-24s-CONSOLE** (Art.233-10) ... >> Link ... >> Photo
   The **FS-24s-CONSOLE** is used only if the Console-700 (art.308-01) is not at one's disposal. It is used for autonomously commanding only the 30-second FS-24s-H20 shot clocks (for basketball) or the 30-second KIT-FS-30s shot clocks (for water polo).



Art.259
KIT-FS-30s , pair of 30s + 24V adapter + cables
Size: 2pz 41x29x8,5cm + cables cm. - Weight: 15.8kg.

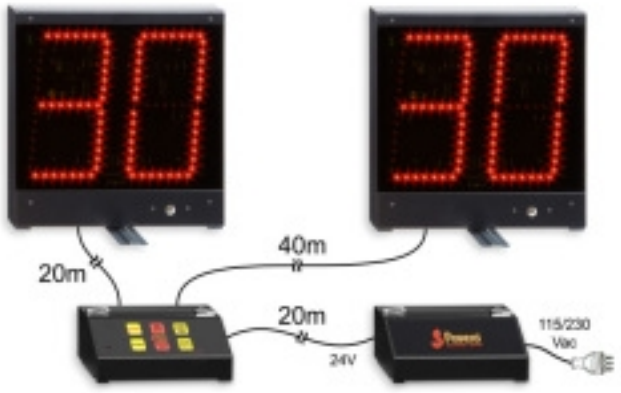
Art.259-01
FS-30s supplementary 30s display for KIT-FS-30s
Size: 41x29x8,5cm. - Weight: 5,1kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

Art.233-10
FS-24s-CONSOLE
Size: 28,3x10x6,8cm. - Weight: 1,2kg.

KIT30s (Art. 271)

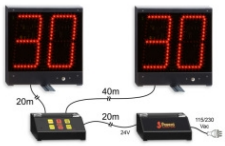


The **KIT30s** is designed for displaying ball possession time and timeout in Water Polo. Current regulation possession time is 30 seconds.

The **KIT30s** is composed of two 30-seconds display panels, a command console, and a 24V power supply unit which secures isolation of the electrical power supply. The power supply unit comes with a 20m cable for connection from points far from the pool.

CHARACTERISTICS

- Possibility of modifying possession time and timeout from **1 to 99 seconds**.
- **20cm**-high digits in red. Visibility: 70m.
- Green light on display indicating the time count in action.
- End of time acoustic buzzer on each display.
- Connecting cables to the 2 display panels: 1 x 20m + 1 x 40m, supplied
- Connecting cable to the power supply unit for securing isolation of the electrical mains: 1 x 20m, supplied.
- Conformal Coating (anti-moisture) of the electronic boards.
- Possibility of adding two more 30-seconds display panels (art.273).
- Power supply: 230Vac or 115Vac, 40VA MAX., to choose from when ordering.



Art.271
KIT30s , pair of 30s + console + 24V adapter
Size: 2pz 29,2x30,4x4,4cm + 2pz 20x8x12,5cm. - Weight: 10kg.

Art.273
DISPLAY 24-30s - supplementary display for KIT24-30s
Size: 29,2x30,4x4,4cm. - Weight: 2kg.

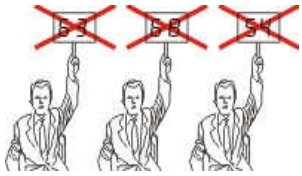
Art.255
Alternating possession arrow
Size: 56x23.5x9cm. - Weight: 1.7kg.

Kit Performance Board KPB-5

(Art.140)

Kit Performance Board for 5 judges

Performance scoreboard to display the votes of more judges by using the remote controls.
For gymnastics, martial arts, Kata, diving, etc..



Replaces the signalings and manual records

Includes:

- 1pc art.145 PB-5 Scoreboard for 5 votes and totalizator
- 7pcs art.140-02 Remote control (1 for the scoreboard operator, 5 for the five judges, 1 spare unit)
- 1pc art.140-10 Suitcase for 7 remote controls
- 1pc art.140-20 Phone cable 6/4, 1.5m long

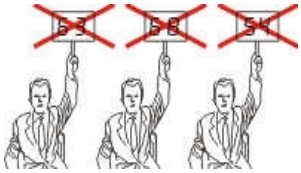
The product KIT Performance BOARD (later on KPB) is designed for the sports where the final score of a performance is given by the vote of more judges, for example: gymnastics, the martial arts, the synchronized swimming, etc..
Main features:

- It comes with infrared remote controls, supplied with a display, through which the judges can cast and see their own vote and send it to the main scoreboard during the voting.
- Visualization of decimal scores (from 0.0 to 9.9) as well as integer scores (from 0 to 99).
- The possibility of setting up the number of judges from 1 to 5.
- Automatic calculation and visualization of the result when all the scores have been received.
- Choice of the calculation mode to obtain the result: 1) total sum; 2) partial sum, excluding the highest and lowest vote; 3) total average; 4) partial average, excluding the highest and lowest vote; 5) Partial average, studied especially for gymnastics.
- Choice of rounding off for the result: with 1, 2 or 3 decimal digits. Useful when the result is obtained from an average.
- With more than 3 digits the result can be viewed in 2 phases: a result with up to 6 digits can therefore be visualized in the case of 3 integers plus 3 decimal digits.
- The operator can manage all functions of the scoreboard by remote control: programming, vote resetting, command for starting the vote, etc.
- The possibility to connect more PB-5 scoreboards in cascade arrangement to obtain repetitions of the score visualizations in different positions and perspectives, particularly useful for final competitions.
- The possibility to use an unlimited amount of KPB-5 in the same area owing to the infrared remote controls and an univocal code system: the sending of a vote by one judge from two different remote controls is not possible.
- An easy and fast procedure for the recognition of a new remote control or one used by a specific judge or scoreboard operator.
- Supplied with a suitcase for 7 remote controls: 5 for the judges, 1 for the scoreboard operator and 1 spare unit.
- Remote controls with strong covers made out of aluminium and a membrane keyboard that can't be damaged by dirt or liquids. Power supply: with a 9-Volt alkaline battery.
- Scoreboard protected by a sturdy container made out of metal, which is powder-painted; complete with handle for easy transportation.
- Scoreboard with a revolving support stirrup at the base, for an easy and stable positioning above a table or on the floor. It also has suitable holes for hooking or fixing to the wall.
- The possibility of using two KPB-5 devices to obtain a system with up to 10 voting judges.
- The digits measure 12.7cm (5"), and are well visible for up to 30m.
- Dimensions and weight: 38x101x7cm, 11kg.
- Power Supply: 230V o 115V 50-60Hz 60VA
- Two years of warranty.

KPB-10 (Art.143)

Kit Performance Board for 10 judges

Performance scoreboard to display the votes of more judges by using the remote controls.
For gymnastics, martial arts, Kata, diving, etc..



Replaces the signalings and manual records

Includes:

- 1pc art.145 PB-5 Scoreboard for 5 votes and totalizator
- 1pc art.146 PB-Ex Scoreboard to display the votes from 6 to 10
- 12pcs art.140-02 Remote control (1 for the scoreboard operator, 10 for the ten judges, 1 as spare)
- 1pz art.140-12 Suitcase for 12 remote controls
- 2pz art.140-20 Phone cable 6/4 - 1,5m long

The KPB-10 product is suitable for all the sports where the number of voting judges is up to 10.
The KPB-10 owns all the characteristics of the KPB-5, and it is provided of:

- Scoreboard PB-5 for the visualization of the votes from 1 to 5 and the totalizator. Dimensions: 38x101x7cm. Power Supply: 230V o 115V 50-60Hz 60VA
- Scoreboard PB-Ex (extension) for the visualization of the votes from 6 to 10. Dimensions: 38x101x7cm. Power Supply: 230V o 115V 50-60Hz 60VA
- 12 remote controls, of which 10 for the judges, 1 for the scoreboard operator and 1 as spare.
- Suitcase to transport the remote controls.
- 2 cables, of which one for the connection of the 2 scoreboards and the second to link two KPB-10 in cascade connection so as repeat all the visualizations of the 10 judges and the result (useful in the final competitions).

Art.140
KPB-5 Kit Performance Board for 5 judges
Size: 38x101x7cm. - Weight: 11kg.

Art.143
KPB-10 Kit Performance Board for 10 judges
Size: 2pz 38x101x7cm. - Weight: 21kg.

Art.145
PB-5 scoreboard to display the votes from 1 to 5
Size: 38x101x7cm. - Weight: 9.2kg.

Art.146
PB-Ex scoreboard to display the votes from 6 to 10
Size: 38x101x7cm. - Weight: 9.1kg.

Art.140-02
IR-REMOTE SCORER infrared remote control for PB-5
Spare part
Size: 14,3x4,8x2,1cm. - Weight: 0.21kg.

Art.140-10
Carrying case for 7 IR-REMOTE SCORER
Spare part
Size: 33x26x8cm. - Weight: 0.4kg.

Art.140-12
Carrying case for 12 IR-REMOTE SCORER
Spare part
Size: 33x26x8cm. - Weight: 0.4kg.

Art.140-20
Telephone cable 6/4 M-M, 1.5m long
Weight: 0.02kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

LCD-BOX (Art. 126)

TIMER CLOCK/TARIFF METER

REMOTELY CONTROLS A BOX CONTAINING THE BALLS FOR THE BILLIARD GAME

The LCD-BOX permits the opening of a box containing the balls for the billiard game, and can be placed up to **100m** away from the table.
The ball box can therefore be placed near the billiard table (or under it, using a box model equipped with the appropriate clamps), thus avoiding the manipulation of the balls by the operator and also the obstruction caused by the box being near the cash desk.
Once the box has been opened by the START switch, the timer starts, and then stops when the box is closed with ALL the balls inside.Even one ball missing prevents the closing of the box.

Boxes for all types of balls are available **...>> Link**

The connection between the LCD-BOX and the ball box is carried out with a 2 wire cable. The control is of low voltage, 24V.
All the boxes are available with the optional **Lamp-Control**, which permits the automatic lighting of the lamp when the box is opened.
The LCD-BOX only needs the grid feed to command the opening of the box (available in 230V and 115V versions). The electronic parts for the time counting and the visualisation are fed by a internal lithium battery, which has a normal life of **10 years** (8 years minimum). Therefore the LCD-BOX can function without being fed from the grid if the control of the ball box is not necessary.

The principal characteristics of the timer are:

- Suitable for all countries because the value of each unit can be programmed (monetary unit); it can be: 0.05 - 0.10 - 0.20 - 0.50 - 1 - 2 - 5 - 10 - 20 - 50 - 100.
- Two hourly rates which may be programmed from 10 to 500 clicks per hour. The second tariff may be useful for peak hours or for CLUB members. The choice of the rate is then made by pressing the TARIFF button.
- A start-game charge, which may be programmed from zero to 15 units, in the event that a set game charge is required in addition to the hourly rate.
- Totaliser meter up to 99,999 clicks. The amount due is totalled only when the switch Start/Stop is turned to the STOP position. This permits continuation when the personel are changing shifts and the timer is in operation.
- Programming, zeroing of the totaliser and access to the internal parts of the machine can only be carried out with the INSTALLATION key. This prevents tampering.
- The flashing of the amount due indicates that the LCD 20 is in the counting position. Height of figures 12.7 mm. Said figures can therefore be read from a distance.
- Strong metal container.
- **Power supply:**
  Art.126A: 230V 50-60Hz 250mA
  Art.126B: 115V 50-60Hz 500mA
- **OPTIONAL HOURLY BANDS**
  Useful for taking advantage of peak hours, both daily and weekly. Three hourly rates can be programmed and they may alternate automatically on programmable hourly periods. In addition, the time is shown when no count is in progress.

Art.126
LCD/BOX for control of one balls Box
Size: 18,6x15,5x8,3cm. - Weight: 2.3kg.

Art.403
BOX-3B Wall mount. For Carom billiards (3x 61.5-63.2mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.403A
BOX-3B/A Wall mount. For Italiana game (2x68 +1x59mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.404
BOX-4B Wall mount. For 4 balls (4x61.5mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.409
BOX-9B Wall mount. For 9 balls (9x61.5mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.409A
BOX-9B/A Wall mount. For 9 balls (8x59 + 1x54mm)
Size: 21,5x22xH11,2+7,8cm. - Weight: 4.35kg.

Art.416
BOX-16B Wall mount. For Pool (16x57mm)
Size: 26x26xH11,2+7,8cm. - Weight: 6kg.

Art.416A
BOX-16B/52 Wall mount. For English pool (16x50-52mm)
Size: 26x26xH11,2+7,8cm. - Weight: 6.13kg.

Art.416B
BOX-16B/68 Wall mount. For Russian Pyramid (16x68mm)
Size: 32x32,5xH11,8+7,8cm. - Weight: 8.4kg.

Art.422
BOX-22B Wall mount. For Snooker (22x52-54mm)
Size: 32x32,5xH11,2+7,8cm. - Weight: 8.38kg.

Art.402
BOX PING-PONG wall mount
Size: 26x26xH11,2+7,8cm. - Weight: 5.9kg.

LCD20 (Art.120)

FOR RUNNING TIME CONTROLLED GAMES.

The simplest and economic solution for charging time.

For billiards, table tennis, bowls, tennis, darts, table for playing cards, golf, mini-golf, bowling, virtual machines, time controlled video-games, Internet rooms, solariums, saunas, air-hokey, bike, boat rental, etc..

TECHNICAL DATA

- It does not require an electrical power supply, thus eliminating the problems of an overload on the line or a sudden blackout. As a result, it may be set up practically anywhere.
- An internal lithium battery keeps the appliance on all the time for at least 8 years (average 10 years). The battery can be found in electronic shops.
- Suitable for all countries because the value of each unit can be programmed (monetary unit); it can be: 0.05 - 0.10 - 0.20 - 0.50 - 1 - 2 - 5 - 10 - 20 - 50 - 100.
- Two hourly rates which may be programmed from 10 to 500 clicks per hour. The second tariff may be employed for peak hours or for programmed from 0 to 15 units in the event that happen by pressing the TARIFF button.
- A start-game (or game-opening) charge, which may be programmed from zero to 15 units, in the event that a set game charge is required in addition to the hourly rate.
- A register totalling 99.999 units. The amount due is summed up when in the STOP position. This is in order to guarantee a good management during shifts of the personnel when the LCD 20 is in the count position and when money has not been collected yet.
- In order to prevent unwanted tampering, programming, zeroing of the totalizer and accessing the internal parts of the appliance, these operations can be carried out only using the INSTALLATION key.
- The flashing of the amount due indicates that the LCD 20 is in the counting position. Height of figures 12.7mm. Said figures can therefore be read from a distance.
- The simplicity of the electronics, isolation from the mains and its "zero" consumption make it highly reliable and can work at temperatures varying from 0°C to +50°C.
- Strong holder made of metal.
- Dimensions: width 18.6cm - height 10.6cm - depth 7.2 cm.
- Weight: 0.9kg

Art.120
LCD20 timer for hourly rate
Size: 18,6x10,6x7,2cm. - Weight: 1.07kg.

Art.121
LCD20/L with lamp control
Size: 18,6x10,6x7,2cm. - Weight: 1.07kg.

Art.122
LCD20/B with little ball control
Size: 23,3x10,6x7,2cm. - Weight: 1.27kg.

LCD20/L (Art.121)

CONTROL FOR TURNING ON OF LOADS

This model, other than having all the characteristics of model LCD20, has the possibility to automatically turn on, when in count mode, lights or other electric loads.

Maximum load: 200 Watts (230VAC). If it exceeds said amount operate a power relay.

OPTIONAL

HOURLY BANDS

Useful for taking advantage of peak hours, both daily and weekly.
Three hourly rates can be programmed and they may alternate automatically on programmable hourly periods.
In addition, the time is shown when no count is in progress.

LCD20/B (Art.122)

FOR RUNNING TIME CONTROLLED GAMES.

The simplest and economic solution for charging time.

For bowls, table tennis, table soccer.

TECHNICAL DATA

- The model LCD20/B, **has a housing for a ball** (Ø 35-40mm). Extracting the ball counting can start; replacing it in its housing the counting stops and payment total is displayed.
- It does not require an electrical power supply, thus eliminating the problems of an overload on the line or a sudden blackout. As a result, it may be set up practically anywhere.
- An internal lithium battery keeps the appliance on all the time for at least 8 years (average 10 years). The battery can be found in electronic shops.
- Suitable for all countries because the value of each unit can be programmed (monetary unit); it can be: 0.05 - 0.10 - 0.20 - 0.50 - 1 - 2 - 5 - 10 - 20 - 50 - 100.
- Two hourly rates which may be programmed from 10 to 500 clicks per hour. The second tariff may be employed for peak hours or for programmed from 0 to 15 units in the event that happen by pressing the TARIFF button.
- A start-game (or game-opening) charge, which may be programmed from zero to 15 units, in the event that a set game charge is required in addition to the hourly rate.
- A register totalling 99.999 units. The amount due is summed up when in the STOP position. This is in order to guarantee a good management during shifts of the personnel when the LCD 20 is in the count position and when money has not been collected yet.
- In order to prevent unwanted tampering, programming, zeroing of the totalizer and accessing the internal parts of the appliance, these operations can be carried out only using the INSTALLATION key.
- The flashing of the amount due indicates that the LCD 20 is in the counting position. Height of figures 12.7mm. Said figures can therefore be read from a distance.
- The simplicity of the electronics, isolation from the mains and its "zero" consumption make it highly reliable and can work at temperatures varying from 0°C to +50°C.
- Strong holder made of metal.
- Dimensions: width 23.3cm - height 10.6cm - depth 7.2cm.
- Weight: 1.1kg

Art.122
LCD20/B with little ball control
Size: 23,3x10,6x7,2cm. - Weight: 1.27kg.

OPTIONAL

HOURLY BANDS

Useful for taking advantage of peak hours, both daily and weekly.
Three hourly rates can be programmed and they may alternate automatically on programmable hourly periods.
In addition, the time is shown when no count is in progress.

LIGHTS REPEATER

(Art.894-A, Art.894-B, Art.894-C) Lights repeater for Fencing

- **It allows the duplication at distance of all the lights** of the FULL-ARM-01 and FULL-ARM-05 of which it reflects form and dimension. Therefore it represents the ideal complement for the realization of fixed electrical systems. Their installation at the opposite sides of the board is simple, with a pleasant aspect and not very cumbersome (thickness only 4cm).
- **It is equipped with a cable 30m long** for the direct connection to the FULL-ARM-01/05. This cable can be easily extended up to 100m.
- **They are available in 3 models** with different supply voltages: 12Vac, 115Vac, 230Vac (see article codes).

The LIGHTS REPEATER can also be connected to the FA-07 multifunction device.

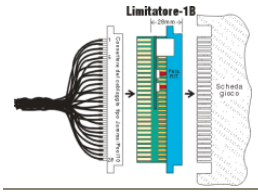
Art.894-A
LIGHTS REPEATER 230V
Size: 56x19x4cm. - Weight: 1.22kg.

Art.894-B
LIGHTS REPEATER 115V
Size: 56x19x4cm. - Weight: 1.22kg.

Art.894-C
LIGHTS REPEATER 12V
Power supply: 12V 400mA - not included. We suggest the art.954 or 828+169
Size: 56x19x4cm. - Weight: 1kg.

Art.954
Power supply unit, 90-264V/12Vdc 2.5A, medical, for Full-Arm-01-05, FA-07
Weight: 0.34kg.

LIMITATORE-1B **Art.A008/1B**



Art.A008-1B
LIMITER-1B

This page is only available in Italian. Here follows the Italian version.

FUNZIONAMENTO

Il Limitatore-1B va inserito direttamente sul connettore Jamma/Pool10 del cablaggio, dal quale preleva il segnale di COIN dal piedino 16 LC (lato comp.) per riconoscere l'introduzione di una banconota o una moneta. Esso può attivare/disattivare il lettore di banconote e/o la gettoniera elettronica sia accendendoli/spegnendoli, sia attraverso il segnale di inibizione. Quest'ultimo modo, quando possibile, è sempre da preferire. Con le istruzioni tecniche vengono fornite indicazioni per i lettori SMILEY, EBA, EDUE, DSI e le gettoniere elettroniche. L'accensione di un led verde sullo schedino indica quando il lettore è abilitato (o alimentato).

PROGRAMMAZIONE

Avviene agendo sul pulsante RIT (Ritardo), tramite il quale è possibile sia vedere lo stato di programmazione, sia di modificarlo.

A) Nella maggior parte dei giochi a premio è possibile riconoscere la fine del gioco dallo spegnimento di tutte le luci dei pulsanti.
In questo caso è utile programmare il Limitatore-1B in modo che controlli tali luci e riabiliti il lettore solo quando esse sono tutte spente da alcuni secondi, per evitare i casi di brevi spegnimenti durante il gioco.

B) Nel caso invece non sia possibile riconoscere la fine del gioco dalle luci dei pulsanti (esempio la Roulette), si deve programmare tramite il pulsantino RIT. un numero di lampeggi da 5 a 25. In questo modo lo sblocco del lettore avviene dopo un tempo fisso dalla partenza che viene definito dal numero di lampeggi programmato e dal valore di denaro introdotto.

MICRO32 (Art.700)

SMALL - SIMPLE - COMPLETE

Micro32 is a computer purposely studied and developed for the managing of billiard parlours and for all cases in which one wishes to charge for the time used on a given unit. The specialized designed without the use of a personal computer offers many advantages.

MICRO32'S features:

- **Simple to learn and to use**. A specially designed keyboard with a button for each table and only a few operational buttons makes the unit easy and quick to use. The tables in action are indicated by the red lights on the respective numbered buttons so you can have an immediate picture of the situation at the moment.
- **Small and sturdy** metal container (37 x 16 x 11 cm). Easy to set up, it may be placed on a table or fastened to a wall while taking advantage of relative inclined positions for better visualization and operation.
- **A picture of the charges** on a red display terminal which can be seen easily from a distance even by the customers. A picture of messages for the operator on a liquid crystal display terminal with two (2) lines of forty (40) characters each.
- **No use of discs** for keeping data. The data remain in the memory bank for at least twenty (20) years without any need for maintenance. The clock inside the unit is used to manage the hourly bands and it too has a 20-years life span. The clock has been calibrated for a maximum error of only two minutes over the course of a year.
- **Ready for resale**: small, easy to use, reliable, well built for shipment, no monitor or discs, a choice of five languages (English, Italian, German, French and Spanish) for the displayed messages as well as a choice of the monetary unit of any country whatsoever, it is supplied ready to be connected to the accessories (printer, lamp control, ball control).
- **Management of 32 tables**, in regard both the charge due for the length of the game and that due for the food and drink consumed by the players, charges which can easily be assigned to the table involved. When the game is over, you will have available an account of the bar bill as well charge for the game.
- **Programmable rates**: the tables can be divided into 6 groups. Each group has a minimum game price, three normal hourly tariffs and three club tariffs (activated using the START CLUB button instead of the START button). The tariffs can alternate throughout the whole of the week by programming the hourly bands.
- **Management of the count totalizer** with two keys, ideal for premises with employees. The SERVICE key permits your employees to manage separate and partial counts (for games and food and drink consumption). The INSTALLATION key is used to close the container so as to avoid mishandling, and it also permits access to the programming and to the display of different totalizers which govern separately the game and the food-and-drink charges. There are individual and general totalizers that can be reset to zero, with a recording of the hour and date of the last reset to zero, and there are general totalizers which cannot be reset to zero.
- An **internal battery** allows the MICRO32 to be turned on in the event of electrical blackout so that you will be able to get a display of the charges due. That battery does NOT serve to keep data in a memory bank; such data will be retained however even if the battery is removed.
- **Set up with five (5) connection devices to connect the following accessories:**
  One (1) PRINTER, two (2) LAMP CONTROLS and two (2) BALL - CONTROLS.
  -- Each BALL-CONTROL can control the balls for eight (8) or sixteen (16) tables (2 models).
  -- Each LAMP-CONTROL can control the lights for four (4), eight (8) or sixteen (16) tables (3 models).
  -- Each control mechanism may be positioned as far as one hundred (100) metres from the MICRO32, and the connection is made by means of a thin cable 4 mm in diameter. The control mechanisms may thus be set up in the best place for simplifying the connections to the lights or the ball-containers, and the MICRO32 can be positioned where it is most convenient for the operator. The unit lends itself ideally, therefore not only to new game rooms but also

to existing rooms since it features a simple electrical system.
- **Power supply**: 230Vac, 50mA Max (Available also for 115V).
- **Measurements**: 37cm long, 11cm high, 16cm deep - 4.7kg.

MICRO32 2nd version (Art.700/2)

There is also a second version of the MICRO32 which has several additional functions:

- 4th TARIFF IN THE HOURLY BANDS. Four hourly tariffs are supported for each table, which alternate throughout the day or the week (4 normal tariffs + 4 club tariffs).
- SPECIAL BAR BUTTONS. In order to help the BAR management, up to 16 different preset refreshments can be programmed, complete with description and price, in combination with a series of special buttons (from 17 to 32).
- LIGHTING UP OF THE LAMPSHADES FOR CLEANING. It allows, under particular conditions, to turn on the lampshades for cleaning the tables without any charge.
- SUPPLEMENTARY PRINTING FUNCTIONS.
- EXCHANGE BETWEEN TWO TABLES. It allows players to change tables whilst the time is running.

ACCESSORIES for MICRO32

PRINTER (Art.710) ...>>Link
Prints on forty (40) columns. It automatically prints the receipt at the end of each game or only when the PRINT button is pushed. Printed on the receipt is an account of the game charges and possible food-and-drink charges, and the first line of that receipt may bear an advertising message. Choice of whether or not to print on the receipt the beginning and ending time of each game. Useful for printing the complete status of the totalizers as well as of the programming.

LAMP-CONTROL ...>>Link
Is designed for controlling the activation of lamps or other electrical appliances. Three models available: for 4, 8 and for 16 lamps. Each of its outputs is relay-controlled and protected by a fuse. The load that can be applied to each output is 5A/250 V.

BALL-CONTROL ...>>Link
The BALL-CONTROL is designed for controlling the BOXes (cases) which hold the billiard balls. The connection between each BOX and the controller is carried out using two wires at low voltage (24V).
BOX is a sturdy metal container with a simple mechanical system (patented) for controlling the billiard balls.
There are BOXes for all types of billiard balls: see ARTICLE CODES section.
When a game start (START) is given to the MICRO32, the ball door opens automatically thus allowing the player to take the tray holding the balls. When the tray with ALL the balls is replaced into the BOX and the door is closed (the door will not close if even one ball is missing), the MICRO32 will stop the time count and display game-over to the operator.
The BALL-CONTROL can also be connected to simple ball holders where a micro-switch trips when the ball tray is removed. In this case the game starts automatically when the tray is removed.
Three models available: for 4, 8 and 16 BOXes.

CONTROL-CARDS ... >> Link
For the control of packs of playing cards.

Art.700
MICRO32
Size: 37x11x16cm. - Weight: 4.6kg.

Art.700/2
MICRO32 2nd version
Size: 37x11x16cm. - Weight: 4.6kg.

Art.710
PRINTER for MICRO32
Size: 17x12x10,5cm. - Weight: 1.4kg.

Art.739
CONTROL-LAMP-4 (4 lamps controller)
Size: 20x15x8cm. - Weight: 0.7kg.

Art.740
CONTROL-LAMP-8 (8 lamps controller)
Size: 24,5x19,7x9,5cm. - Weight: 1.25kg.

Art.741
CONTROL-LAMP-16 (16 lamps controller)
Size: 31x23,5x12,7cm. - Weight: 1.8kg.

MICRO8 (Art.708)

MICRO 8 has been designed mainly for running time controlled billiards, but can also be used wherever time is used for billing the user.

For billiards, table tennis, bowls, tennis, darts, tables for playing cards, golf, minigolf, bowling, virtual machines, time controlled video-games, internet rooms, solariums, saunas, air-hokey, professional billiard cues, bicycle, motorcycle, boat rental, etc..

FEATURES:

- **Simple to learn and to use**. An extremely strong keypad, with one button for each billiard and a small number of function keys makes it easy and quick to use.
- **Running 8 Billiards**. Its low cost makes it convenient even for just two billiards. Other models are available for one billiard or more than eight billiards. The currency for any country can be programmed and the minimum tariff can be programmed for each billiard together with two hourly tariffs (normal and club). Programming mode and the totals (overall total is displayed with 9 digits, single totals are displayed with 8 digits), together with their visualization can be accessed only using a key. Another total can be displayed without a key for service personnel. An internal battery allows you to turn on MICRO 8 even during a blackout so you can view the sums due. This battery is NOT for keeping the data in memory which will remain even if the battery is removed.
- It has a **small and sturdy** insulated plastic case that does not need earthing. Wall mounting is simple, solid and immediate using 2 front screws.
- **Power supply:** 230Vac, 50-60Hz, 30mA (Available also for 115V).
- **Weight and dimensions:** 21.3cm long, 12.3cm high, 5.6cm deep, 750g.

MICRO8-P with output for printer (Art.708-P)

This model has the same characteristics as the MICRO8 but in plus it owns an output to connect the suitable printer (Art. 710) useful to print the receipt, the totalizators, etc..

Options MICRO8

MICRO8 is fitted with 2 connectors for connection with two external controllers: CONTROL-LAMP-4-8 (for controlling the activation of 4-8 lamps or other electrical appliances) and CONTROL-BALL-4-8 (for controlling 4-8 billiard ball boxes). The controllers can be installed up to 100 m from MICRO8 and are connected using a normal 4-way telephone wire. Each controller has a 15 m extension. The controllers can therefore be positioned in the best location for the user, thus simplifying their connection to the lamps or the billiard ball boxes and the MICRO8.

CONTROL-LAMP ...>>Link
Is designed for controlling the activation of 4-8 lamps or other electrical appliances. Each of the 4-8 outputs is relay-controlled and protected by a fuse. The load that can be applied to each output is 5A/250 V. CONTROL-LAMP-8 power supply: 220V 60 mA.

CONTROL-BALL ...>>Link
Is designed for controlling 8 BOXES (cases) which hold the billiard balls. The connection between each BOX and the controller is carried out using two wires at low voltage (24V). The BOX is a sturdy metal container with a simple mechanical system (patented) for controlling the billiard balls. There are BOXES for all types of billiard balls: see article code numbers. When a game start (START) is given to the MICRO8, the ball door opens automatically thus allowing the player to take the tray holding the balls. When the tray with ALL the balls is replaced into the BOX and the door is closed (the door will not close if even one ball is missing), the MICRO8 will stop the time count and display game-over to the operator. The CONTROL-BALL-8 can also be connected to simple ball holders where a micro-switch trips when the ball tray is removed. In this case the game starts automatically when the tray is removed.

PRINTER ...>>Link
Prints on forty (40) columns. It automatically prints the receipt at the end of each game or only when the PRINT button is pushed. Printed on the receipt is an account of the game charges and possible

Art.708
MICRO8
Size: 21,3x12,3x5,6cm. - Weight: 0.75kg.

Art.708-P
MICRO8-P (with output for printer)
Size: 21,3x12,3x5,6cm. - Weight: 0.77kg.

food-and-drink charges, and the first line of that receipt may bear an advertising message. Choice of whether or not to print on the receipt the beginning and ending time of each game. Useful for printing the complete status of the totalizers as well as of the programming.

CONTROL-CARDS ... >> Link
For the control of packs of playing cards.

Art.739
CONTROL-LAMP-4 (4 lamps controller)
Size: 20x15x8cm. - Weight: 0.7kg.

Art.740
CONTROL-LAMP-8 (8 lamps controller)
Size: 24,5x19,7x9,5cm. - Weight: 1.25kg.

Art.710
PRINTER for MICRO32
Size: 17x12x10,5cm. - Weight: 1.4kg.

MICRO8 /4B Art.708/4B

Timer clock/tariff meter for bowls lanes with control of the jacks.

- The MICRO8 /4B is an already assembled machine, ready to be fixed to the wall, which includes a timer clock/tariff meter model MICRO8 and the control of 4 bowls jacks.
- The MICRO8 /8B is different only in that it controls 8 jacks instead of 4.
- The detailed characteristics of the timer clock/tariff meter MICRO8 /4B (programming of the tariffs, management of the totaliser etc.) are described in the MICRO8.
- **The working is very simple:** By taking one jack from its container, the automatic counting for the corresponding number is started.
  When the jack is re-placed in the container, the counting stops and the operator can visualise the amount to be paid, which is automatically calculated based on the time tariff and the game time length.
- The machine is pre-disposed for the connection of the **CONTROL-LAMP** accessory, which is useful for automatically commanding the start up of an electrical charge, such as for the illumination of the lane or the electronic scoreboard, when a lane is being counted.

Art.708/4B
MICRO8/4B with control of 4 small balls diam.35-40mm
Size: 21,5x26x10cm. - Weight: 2.2kg.

Art.708/8B
MICRO8/8B with control of 4 small balls diam.35-40mm
Size: 21,5x37x10cm. - Weight: 3.4kg.

Art.739
CONTROL-LAMP-4 (4 lamps controller)
Size: 20x15x8cm. - Weight: 0.7kg.

Art.740
CONTROL-LAMP-8 (8 lamps controller)
Size: 24,5x19,7x9,5cm. - Weight: 1.25kg.

MICRO8 /8B **Art.708/8B**

Timer clock/tariff meter for bowls lanes with control of the jacks.

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- The MICRO8 /4B is different only in that it controls 4 jacks instead of 8.
- The detailed characteristics of the timer clock/tariff meter MICRO8 /8B (programming of the tariffs, management of the totaliser etc.) are described in the MICRO8.
- **The working is very simple:**
  By taking one jack from its container, the automatic counting for the corresponding number is started.
  When the jack is re-placed in the container, the counting stops and the operator can visualise the amount to be paid, which is automatically calculated based on the time tariff and the game time length.
- The machine is pre-disposed for the connection of the **CONTROL-LAMP** accessory, which is useful for automatically commanding the start up of an electrical charge, such as for the illumination of the lane or the electronic scoreboard, when a lane is being counted.

Art.708/4B
MICRO8/4B with control of 4 small balls diam.35-40mm
Size: 21,5x26x10cm. - Weight: 2.2kg.

Art.708/8B
MICRO8/8B with control of 4 small balls diam.35-40mm
Size: 21,5x37x10cm. - Weight: 3.4kg.

Art.739
CONTROL-LAMP-4 (4 lamps controller)
Size: 20x15x8cm. - Weight: 0.7kg.

Art.740
CONTROL-LAMP-8 (8 lamps controller)
Size: 24,5x19,7x9,5cm. - Weight: 1.25kg.

MINI-01 (Art.896-1)

Miniaturized device to be fitted to the guard of the epée.

MINI-01 signals each time the point of the weapon is touched.
Neither the points on the piste or the adversary's guard, nor the ones carried out after expiry of the reply time (double coupe) are thus impeded.
It is ideal for training as there is no need for wire spools, pistes, cables or signalling equipment.

Main features:

- Low cost.
- Extremely small dimensions: 4 x 5 x 1.7cm (excluding pins).
  It has to be inserted directly in the epée socket.
- Both acoustic (buzzer) and visual (led) point contact signalling.
  The signal stays on for approx. 1 second.
- Sturdy metal container.
- 12V battery included (common radio control battery, type A23 or VR22).
  Battery life is approx. 5,000 points!
- Contact time of the point complies with F.I.E. rules.

Art.896-1
MINI-01 minirecorder for épée, 1sec sound
The battery is included
Size: 4x5x1,7cm. - Weight: 0.064kg.

Art.876
12V alkaline BATTERY (A23, VR22 type)
Spare part
Weight: 0.01kg.

Art.896-1/B
MINI-01 minirecorder for épée, with short 0.2sec sound
In order to identify hits made in rapid succession during training. The battery is included.
Size: 4x5x1,7cm. - Weight: 0.064kg.

MINI-03 (Art.896-3)

Miniaturized device for foil with 2-prong socket.

MINI-03 signals each time the foil tip is pressed. Valid points are not therefore distinguished from invalid ones, and neither the points on the piste nor the ones on the adversary's guard are disabled.
It is as there is no need for wire spools, pistes, cables or signalling equipment.

Main features:

- Low cost.
- Extremely small dimensions: 4 x 5 x 1.8cm (excluding pins). Weight: 62g.
- Both acoustic (buzzer) and visual (led) point contact signalling.
  The signal stays on for approx. 1 second.
- Sturdy metal container.
- 12V battery included (common radio control battery, type A23 or VR22).
  Battery life is approx. 5,000 points!
- Contact time of the point complies with F.I.E. rules.

Art.896-3
MINI-03 minirecorder for foil with 2-Pin plug
The battery is included
Size: 4x5x1,8cm. - Weight: 0.062kg.

Art.876
12V alkaline BATTERY (A23, VR22 type)
Spare part
Weight: 0.01kg.

MINI-02 (Art.896-2)

Miniaturized wrist device for foil.

MINI-02 is worn on the fencer's wrist by means of the practical Velcro® wristband.
Since there are different types of connection to the foil guard, MINI-02 is supplied with cable but no connector. The suitable connector will therefore have to be fastened to one's foil.
MINI-02 signals each time the foil tip is pressed. Valid points are not therefore distinguished from invalid ones, and neither the points on the piste nor the ones on the adversary's guard are disabled.
It is ideal for training as there is no need for wire spools, pistes, cables or signalling equipment.

Main features:

- Low cost.
- Extremely small dimensions: 4 x 5 x 2cm. Weight: 69g.
- Both acoustic (buzzer) and visual (led) point contact signalling.
  The signal stays on for approx. 1 second.
- Sturdy metal container.
- 12V battery included (common radio control battery, type A23 or VR22).
  Battery life is approx. 5,000 points!
- Contact time of the point complies with F.I.E. rules.

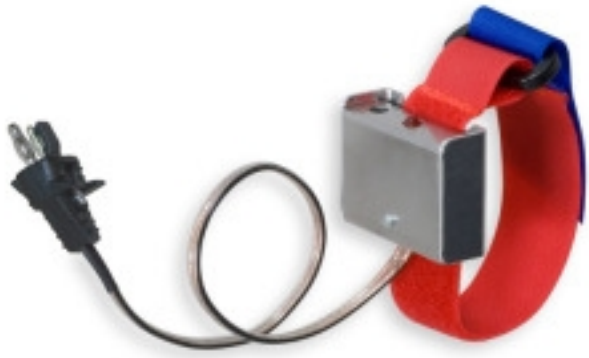
Art.896-2
MINI-02 wrist-minirecorder for foil, without plug
The battery is included
Size: 4x5x2cm. - Weight: 0.069kg.

Art.876
12V alkaline BATTERY (A23, VR22 type)
Spare part
Weight: 0.01kg.

MINI-04 (Art.896-4)

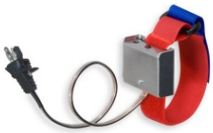
Wrist-minirecorder for foil with 2-Pin Plug (battery incl.).

The MINI-04 differs from the MINI-02 because it has the 2-Pin Plug connector already hooked to the cable.
MINI-04 is worn on the fencer's wrist by means of the practical Velcro® wristband.
MINI-04 signals each time the foil tip is pressed. Valid points are not therefore distinguished from invalid ones, and neither the points on the piste nor the ones on the adversary's guard are disabled.
It is ideal for training as there is no need for wire spools, pistes, cables or signalling equipment.



Main features:

- Low cost.
- Extremely small dimensions: 4 x 5 x 2cm. Weight: 83g.
- Both acoustic (buzzer) and visual (led) point contact signalling.
  The signal stays on for approx. 1 second.
- Sturdy metal container.
- 12V battery included (common radio control battery, type A23 or VR22).
  Battery life is approx. 5,000 points!
- Contact time of the point complies with F.I.E. rules.



Art.896-4
MINI-04 wrist-minirecorder for foil, with 2-Pin plug
The battery is included
Size: 4x5x1,8cm. - Weight: 0.083kg.

Art.876
12V alkaline BATTERY (A23, VR22 type)
Spare part
Weight: 0.01kg.

MILLENNIUM Reel (Art. 900)

REEL FOR FENCING SPORT

- ENTRY/EXIT DIRECT CONNECTION. Thanks to an innovative, patented design, the MILLENNIUM Reel does not use rotating rings with brush rub or mercury contacts. Therefore, all the problems associated with the rotary contacts have been eliminated, including faulty contact during rotation as well as maintenance and replacement of the contacts.
- GREATER EFFICIENCY. The 3 springs used for rewinding the cable double as wires for the three electric signals. This provides for greater efficiency since there are no contacts.
- ULTRA FLAT. The reel's thickness is just 4.8cm, slightly more than the piste's height.
- FEWER WINDING TURNS. The diameter of the cable coil is 31cm. Therefore the reel can wind the 20-meter cable in just 20 turns. By contrast, currently available reels require 40 to 50 turns.
- LONGER LASTING SPRINGS. Springs last longer for three reasons:

    1. The spring work is greatly reduced thanks to fewer turns of the cable coil.
    2. The central pin where the springs turn is large in diameter (3.6cm) and thus reduces the stress of the spring on this fragile location.
    3. 3 springs are used, working in concert to reduce stress on any one spring.

- HIGH QUALITY SPRINGS. The springs are made from a special top-quality steel strip.
- LONGER LASTING CABLE. The large diameter of the cable coil not only enlarges the cable camber, but also reduces the number of its bending. Therefore the cable has a longer lasting (both for the external boot and 3 internal wires).
- STRONG STAINLESS STEEL CASE. The case is sturdy and easy to clean. In addition, thanks to its flat, square shape, it is easy to carry and store.
- ADVERTINSING SPACE. The top of the reel has flat surface area of 33cm x 33cm, allowing for advertising space.
- STEADINESS ON THE FLOOR. Thanks to its solid 4.8kg weight and its four "rubber feet", the reel is extremely steady - pulls on the cable during matches can hardly move the reel.
- CABLE PROTECTION DAMPING SPRING. The cable next to the fencer's end socket usually requires many repairs over time. To reduce this problem, a 10cm spring was placed at this location to not only

    1. minimize bending of the cable at the socket exit,
    2. but also dampen the stress on the cable when the socket reaches the reel after the fencer's release.

- INNOVATIVE BRAKING SYSTEM. The reel's design moderates the speed of winding when the cable is released from longer distances. The braking mechanism exploits centrifugal force and activates only when the reel exceeds a certain rotary speed. Strong or “bad” pulls received by the cable at the end of the run are therefore avoided.

Art.900
MILLENNIUM Reel
Size: 34x34x4,8cm. - Weight: 4.8kg.

Art.903
FLOOR CABLE 14m long, with 3-Pin plugs
Weight: 0.7kg.

Art.905
BOX-5 transport-case for 2 reels and cables
Size: 60x40x13,5cm. - Weight: 3.0kg.

Art.900-C1
CABLE FOR REEL, 20m long
Spare part
Weight: 0.3kg.

Art.900C1-M
Reel cable, type 900-C1 (1 meter)
To order one coil of the wished length
Weight: 0.015kg.

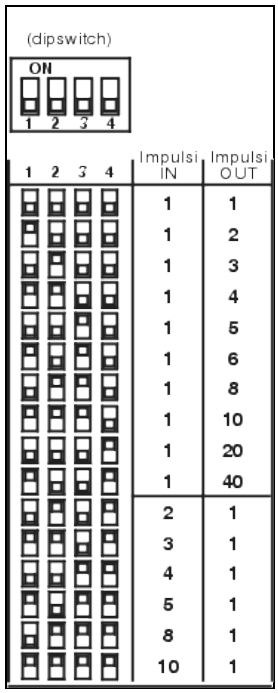
MULTICREDIT-F2 (Art.A202)

To enable many credits from a single coin pulse.

This page is in Italian only; here follows the Italian version.

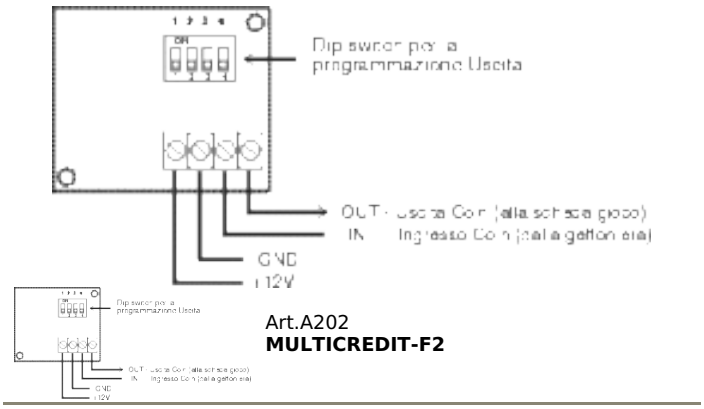
CARATTERISTICHE

Risulta utile quando, dall'introduzione di un gettone o una moneta di elevato valore, si desidera ottenere, anzichè un singolo impulso, un determinato numero di impulsi di COIN.
Il numero di impulsi in uscita viene definito dalla posizione di quattro dip-switch, le cui combinazioni determinano i valori visibili nella tabella seguente.



1	2	3	4	Impulsi IN	Impulsi OUT
ON	ON	ON	ON	1	1
OFF	ON	ON	ON	1	2
ON	OFF	ON	ON	1	3
OFF	OFF	ON	ON	1	4
ON	ON	OFF	ON	1	5
OFF	ON	OFF	ON	1	6
ON	OFF	OFF	ON	1	8
OFF	OFF	OFF	ON	1	10
ON	ON	ON	OFF	1	20
OFF	ON	ON	OFF	1	40
ON	OFF	ON	OFF	2	1
OFF	OFF	ON	OFF	3	1
ON	ON	OFF	OFF	4	1
OFF	ON	OFF	OFF	5	1
ON	OFF	OFF	OFF	8	1
OFF	OFF	OFF	OFF	10	1

NOTA: le ultime sei combinazioni fanno funzionare lo schedino come demoltiplicatore: per più impulsi di ingresso si ha un solo impulso in uscita.
Ogni impulso di Coin in uscita ha una durata di 100ms ON + 250ms OFF.



Art.A202
MULTICREDIT-F2

FC50H15 art.3045015

Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.) in small sports halls. Digit height: 15cm. Readability distance: 50m.

Key features

• Multisport scoreboard.
• Digit height: 15cm. Readability distance: 50m.
• Readability angle: 150°.
• Resistant to damage from balls as per DIN 18032-3 and UNI 9554 standards.
• Wireless or wired communication.
• Display of: team scores, game time, timeout, team fouls, period, ball possession.
• Display of the time of the day.
• Horn.
• Suitable for indoor application.
• Wall mounting. Supplied with brackets.
• Dimensions: 91x60x9.5cm.
• Weight: 10.1kg.
• To be used together with specific control console.

Specifications

• Multisport scoreboard suitable for multidiscipline use (basketball, volleyball, futsal, etc.) in small sports halls.

• Digit height: 15cm. Readability distance: 50m.

• Readability angle: 150°.

• Displayed functions:
- Team scores: [0 - 199]
- Game time: [00:00 - 99:59]
- Timeout: [3 light indicators per team]
- Team fouls / Sets won: [0-9]
- Ball possession/Service/Bonus: [1 light indicator per team]
- Period: [0 - 9]

• Compliant with DIN 18032-3 and UNI 9554 standards on "Resistance to damage from balls".
No front protection cover is required. You save on the cost of a protective cover, full visibility is guaranteed, and access to the scoreboard is easy.

• To be used together with Console-300 and Console-700 (the latter for wireless communication).

• Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards.

• Suitable for indoor application.

• Installation instructions in 5 languages. Supplied with bolts and brackets for wall mounting.

• Clock function to display time of the day, also with unplugged console.

• Time expired horn: 2.9KHz, 95db/2m, suitable for not particularly noisy venues.

• Sturdy powder-coated aluminum case. Polycarbonate front panel.

• Display cards easily accessible from the front, with SMT LED technology and average life span of 100,000 hours.

• Power supply: 100-240V 85VA. Supplied with power supply cable and plug (plug type can be chosen when ordering).

• Guarantee: 2 years (info).

• Dimensions: 91x60x9.5cm.

• Weight: 10.1kg.

Product options, selectable after adding the article to the basket:
• Type of plug
• Adhesive labels: HOME-GUEST, LOCALES-VISITANTES, etc.
• Console connection cable, if wireless communication is not used.

ACCESSORIES

Art.3045015
FC50H15 multisport scoreboard FC50, digits H15cm
Size: 91x60x9.5cm. - Weight: 10.1kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

Additional accessories, **to be bought separately, necessary for product operation.**

Control console: not supplied with the scoreboard.
It is possible to choose among the following consoles:
Art.308-01 Console-700
Console with 7" color touchscreen display. Wireless or wired communication.
Art.307-01 Console-300
Console with 2x20 LCD display and membrane keyboard. Wired connection.

Note: a console can control various scoreboards, for example those installed at the ends of the playing field.

Optional articles, **to complete the product**:

Art.308-10 Case-700, carrying case for Console-700
Robust carrying case for easy transport.
Art.232-03 Time-Console-03
Additional console, useful for the timekeeper or the 24/14/30 second shot clock operator.

Not much used items

Art.3043015N12A3

Size: 320x200x8cm. - Weight: 150kg.

Art.741-K
CONTROL-LAMP-16 with key to switch-on the lamps

Art.401
BOX-1B for small ball Ø35-40mm

Art.894-AT
LIGHTS REPEATER 230V, Table version

Art.R122
LCD-DISPLAY for TIMER or LCD20 electronic board

Art.355-14
Supply unit, 24Vdc, for Play40

Art.833-S
Electronic board for DATA LINE 1x6

Art.355-12
CPU electronic board for Play40-REPEATER

Art.355-10
CPU electronic board for Play40

Art.355-08
Cable 50m long for Play40 keyboard

Art.894-CT
LIGHTS REPEATER 12V, Table version

Art.601
TRAY for small ball Ø35-40mm

Art.891/4-115V
CONTROL-LAMP-4/115V, for fencing

Art.714
TTL/RS232 interface

Art.740-K
CONTROL-LAMP-8 with key to switch-on the lamps

Art.824-01A
2-programs chip for the Full-Arm-01 (ARM01-6D)

Art.A303C-LCD
LCD DISPLAY for SC-5 with 50cm cable

Art.650S
TERMODELTA black, with switch for cushions

Art.R113
Start-Stop SWITCH, 2 WAY, for LCD20

Art.0381-4100
LCD Display for PS-x, 2x20 characters
Weight: 0.06kg.

Art.122-2
LCD20/B2 with 2 little balls control

Art.743C
INTERNET ACCESS/PC-PS2 + 1 switch

Art.651S
TERMODELTA wood-look, with switch for cushions

Art.739-K
CONTROL-LAMP-4 with key to switch-on the lamps

Art.881
FULL-ARM/RS422 Interface
Size: 16x12x8cm. - Weight: 0,4kg.

Art.700/4
MICRO32 4th version

Art.R112
Start-Stop SWITCH, 1 WAY, for LCD20

Art.701
UPGRADE of the MICRO32 to the 2nd version

Art.894-BT
LIGHTS REPEATER 115V, Table version

Art.R724
Assembled cable for the IDP562 printer

Art.700/3
MICRO32 3rd version

Art.124
LCD 20 enabled by a RELAY

Art.355-20
Power Supply + CPU unit, for Play40

Art.831-01A
2-programs chip for the Full-Arm-05 (ARM05-2E)

Art.+645-000
+ OPTION: Conformal coating on the electronic boards of the above item

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FOS-14 (Art.300-14)

Outdoor Timer display (minutes + seconds) for displaying the time of sport matches or competitions.

Functions displayed:

MINUTES and **SECONDS:** [00:00 - 99:59], digits 45cm high.
Time of day: displayed when the control console is turned off or disconnected.

Technical characteristics:

- **Dimensions and weight**: 166,5x59x15cm, 25kg.
- **For outdoor use.** Resistant to bad weather. Works in temperatures of -20°C to +50°C.
- **Distance and readability angle:** 200m, 130 degrees.
- **Good visibility** even in direct sunlight. Each 45cm digit is composed of 264 SMD LEDs with 1cd of brightness each and an average life of 100,000 hours. The brightness of the scoreboard can be adjusted for dimming during evening hours via the command console (see ACCESSORIES).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Resistant to acts of vandalism.** The front panel cannot be broken or damaged by rocks or moderate-sized objects thrown at it.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **Clock.** The time of day is automatically displayed when the console is turned off or disconnected. The clock`s internal battery has a life of 20 years!
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Technical instructions in 5 languages:** English, French, Spanish, German, Italian.
- **Robust container** made from powder-coated aluminum. Front panel made from polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.302-02) that allows you to save on the cable costs (see ACCESSORIES).
- **Conformal Coating** (anti-moisture) of the electronic boards.
- All the electronic boards are easily accessible from their fronts.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 120VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.

- **Radio Receiver for FOS scoreboards** (art.302-02). It is intended to be mounted above the scoreboard and receives the data transmitted by the control console, when equipped with a radio transmitter, which helps to avoid cable costs. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. Radio range up to 300m without obstacles. **>>** FOS2 Radio Receiver installation manual

Art.300-14
FOS-14 Outdoor Timer display (minutes + seconds)
Size: 166,5x59X15cm. - Weight: 25kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.302-02
FOS2 Radio receiver for FOS-series scoreboards
Size: 16x12x8cm. - Weight: 1kg.

P.C.C. 01 (Art. 660)

For Pool tables with motorized ball outlet mechanism. Choose the number of games or the length of time you wish to play.

The Pool Coin Control (P.C.C. 01) has been designed for coin or token operated pool tables which use a motorized mechanism to control the coming out of the billiard-balls. You can choose the number of games or the length of time you wish to play.

The following are connected to P.C.C.01:

1. up to 3 coin acceptors or an electronic coin acceptor which accepts 3 different coins,
2. the motor and its limit switch,
3. the battery to power the motor.

The value of the coins corresponding to each coin acceptor, the price per game, the possibility for the player to select to play for a certain length of time (see step 5 of programming), the duration of one game, as well as the way to operate the motor according to the mechanism used, can be programmed.

The display device shows players the money inserted, the number of games to play (which can accumulate up to 9) or the duration of play if this was the mode selected.

The inserted coin counters can also be seen (totalizators).

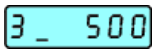
The P.C.C.01 is powered by its internal battery whose minimum duration is 10 years. However, an external battery must also be used to power the ball outlet mechanism motor. For this purpose, since the normally used small motors operate at 12 volts with an absorption of about 150mA, it is recommended to use a pack of alkaline, D size batteries (for example, 8 LR20, 1.5 V batteries in series) in this way guaranteeing about 27,000 opening cycles which correspond to a 3 year autonomy if there are 30 openings per day for 300 days of the year. In this way you avoid using the public network power supply to recharge lead or cadmium nickel batteries.

The equipment is also protected against the polarities of the battery being inverted and motor short circuits.

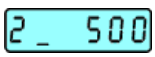
Art.660
PCC.01 Pool Coin Control
Size: 12x7,5x7cm. - Weight: 0.65kg.

OPERATION EXAMPLES

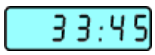
By inserting coins, each time the price of a game has been reached, the number of available games is increased, visible on the left side of the display device. The additional amount of money inserted, but less than the price of another game, is shown on the right. For example:



If the player presses the START push-button the billiard-balls come out and the number of games decreases by one. For example:



If a player wants to play for a certain length of time, as long as this function has been enabled, instead of releasing the START push-button, he must keep it pressed for at least 2 seconds. This operation causes the balls to come out and also turns the remaining amount of money into available time (max. 10 hours). For example:



By inserting other coins while the time is decreasing, more time is added in proportion to the value of the coins. During this time the player can make more balls come out by pressing the START push-button.

Playing for a certain length of time is especially useful in helping out more experienced players whose games are very short. In order to give an incentive for using the billiard game for a length of time, a higher game price and corresponding longer time can be programmed.

PANEL-02 (Art.835)

Repeater panel

Useful for displaying all the information provided by the FULL-ARM-05 at a distance and in larger size.

- White, red, and green **lights**, optimal visibility over 180°.
- **Scorer.** It counts up to 99 for each fencer. Height of the digits: 11.5cm (legible up to a distance of 40m).
- **Chronometer.** Height of the digits: 8cm (legible up to a distance of 25m).
- It includes an audio warning to indicate that the time is up.
- **Yellow lights.**
- **Priority:** indicated by a "P" on the side given priority.
- **Yellow card:** indicated by a lighted yellow rectangle. **Red card:** indicated by a red light inside the yellow rectangle that flashes for 3 seconds and automatically increases the adversary's point score.
- **Matches count:** indicated by 1, 2 or 3 red lights.
- **Connection** to the FULL-ARM-05 can be made using a common 4-wire telephone cable, up to 100m in length. The apparatus comes complete with two extension cables: 2.5m and 15m.
- The possibility of connecting several panels to the same apparatus offers the advantage of easily placing the display boards close to the public, either by hanging them on walls or ceilings or by creating double-sided panels by placing them back-to-back. In this latter case, a special switch makes it possible to invert the displays, so they can be read identically from the same side (including the coloured lights).
- Also included with the PANEL-02 is a special 1m high stand that can be anchored to a table, thereby raising the display panels over the heads of the fencers, up to 180cm from the ground.
- The panel can be easily attached to a wall, hung from the ceiling or put on a supporting surface in an upright position
- **Power supply:** 12Vdc or 12Vac. Normal electrical consumption: 0.9A with the lights off.
  Consumption of the red or green lights: only 0.4A. Consumption of the white light: 1.7A.
  The low electrical consumption of the red and green lights is due to the use of high efficiency LED's. Consumption of the white light drops to one-third just 30 seconds after being switched on, while still guaranteeing 180° visibility.
  The low electrical consumption allows direct use on the piste with battery operation. PANEL-02 also comes with a power cord with clamps for connecting to a car battery.
  If the PANEL-02 is run on the main supply, one of the following accessories is necessary:

  1. For the 230V power supply: **Art.854-A** Transformer 230/12V 3.4A.
  2. For the 115V power supply: **Art.854-B** Transformer 115/12V 3.4A.
- For transporting the PANEL-02, we recommend use of the special carrying case, **Art.850** BOX-01.
- Overall **dimensions**: height 40.5cm, width 84.5cm, depth 7cm.
- PANEL-02 **weight**: 9.2kg.

Art.835
PANEL-02 repeater panel
Power supply: 12V 4A max - not included.
We suggest the art.854 or a car battery
Size: 84,5x40,5x7cm. - Weight: 9.5kg.

Art.854-A
SAFETY TRANSFORMER 230/12V 3.4A
Weight: 1.3kg.

Art.854-B
SAFETY TRANSFORMER 115/12V 3.4A
Weight: 0.9kg.

Art.856
Power cord 3.5m, with clamps for connect. to a car battery
Weight: 0.36kg.

Art.850
...# Product out of production #...BOX-01 carrying case (126x56x14cm)
Size: 126x56x14cm. - Weight: 9.4kg.

PC-INTERFACE

(Art.745-04, Art.745-06, Art.745-08)

Art.745-04 **PC-INTERFACE-32** (32 Lamp. + 32 Box)

Art.745-06 **PC-INTERFACE-64** (64 Lamp. + 64 Box)

Art.745-08 **PC-INTERFACE-96** (96 Lamp. + 96 Box)

The **PC-INTERFACE** is a suitable device useful for those who wish to manage a billiards room with a PC (Personal Computer) using a own customized software application. Such device, connected to the personal computer RS232 serial port, allows

- the switching on and the shutdown of the billiards lamps,
- the opening to distance of the ball boxes, and also
- the verification of their status (open or closed)

The **PC-INTERFACE** may manage up to 96 billiards (96 lamps + 96 ball boxes) through the suitable controllers CONTROL-LAMP-16 and CONTROL-BALL-16.
To a **PC-INTERFACE-32** it is possible to connect up to:

- 2 controllers for lamps CONTROL-LAMP-16 (2 x 16 = 32), and
- 2 controllers for ball boxes CONTROL-BALL-16 (2 x 16 = 32).

We manufacture also the model **PC-INTERFACE-64**, to which you can connect a maxim of

- 4 CONTROL-LAMP-16 controllers (4 x 16 = 64) and
- 4 CONTROL-BALL-16 controllers (4 x 16 = 64)

to manage up to 64 billiards, and the model **PC-INTERFACE-96** to which you can connect a maxim of

- 6 CONTROL-LAMP-16 controllers (6 x 16 = 96) and
- 6 CONTROL-BALL-16 controllers (6 x 16 = 96)

to manage up to 96 billiards.

Art.745-04
PC-Interface-32 (32 Lamps + 32Boxes)
Size: 16x12x7,7cm. - Weight: 0.6kg.

Art.745-06
PC-Interface-64 (64 Lamps + 64Boxes)
Size: 16x12x7,7cm. - Weight: 0.6kg.

PC-INTERFACE ACCESSORIES

CONTROL-LAMP
Is designed for controlling the activation of 4, 8 or 16 lamps or other electrical appliances. Each of the 4, 8 or 16 outputs is relay-controlled and protected by a fuse. The load that can be applied to each output is 5A/250V.

CONTROL-BALL
Is designed for controlling the BOXES (cases) which hold the billiard balls. The connection between each BOX and the controller is carried out using two wires at low voltage (24V). The BOX is a sturdy metal container with a simple mechanical system (patented) for controlling the billiard balls. There are BOXES for all types of billiard balls.

PLAY30C-FENCING (Art.845)

Repeater panel for FENCING (75x59cm)

Functioning:

It is used in the fencing matchs, it repeats the FULL-ARM-05 mains indications to allow their visibility to a longer distance; it is connected to a serial output of them by telephonic cable in endowment, long 15m but extensible till 100m.

Displayed functions:

- **Scorer:** from 0 to 99 each side, 17.4cm of digits height, visible up to 50m and beyond.
- **Yellog tag:** yellow bright dot on both sides.
- **Priority:** 'P' letter on each side.
- **Chronometer:** maximum time of 9 minutes and 59 seconds. 15cm of digits height, visibility up to 40m and above. The color of two bright points between minutes and seconds shows in a clear and immediate way the timer status: GREEN=counting, RED=stopped.

Technical data:

- Installation: Very simple because, after to have inserted the power plug and connected the FULL-ARM-05, the scoreboard is ready to use.
- **Cabinet**: Strong metal container, black dust painted. Transparent and antireflex front panel.
- **Dimensions**: width 75cm, height 59cm, depth 10cm.
- **Weight**: 13kg.
- **Serial cable length**: 15m.
- **Power supply**: 230Vac, 60VA max. It is also available the 115V version, selectable during purchase.

Art.845
PLAY30-C/FENCING
Size: 75x59x10cm. - Weight: 10.1kg.

PLAY40 - FENCING (Art.847)

Repeater panel for FENCING (150 x 98 cm)

Art.847
PLAY40/FENCING
Size: 150x98x7cm. - Weight: 33kg.

Functioning:

It is used in the fencing matchs, it repeats the FA-07 e FULL-ARM-05 mains indications to allow their visibility to a longer distance; it is connected to a serial output of them by telephonic cable in endowment, long 15m but extensible till 100m.

Displayed functions:

- **Scorer:** from 0 to 99 each side. 30cm of digits height, visible up to 90m and beyond.
- **Yellow tag:** yellow bright dot on both sides.
- **Priority:** 'P' letter on each side, 20cm height and visible up to 60m and above.
- **Chronometer:** maximum time of 9 minutes and 59 seconds. 30cm of digits height, visibility up to 90m and above. The color of two bright points between minutes and seconds shows in a clear and immediate way the timer status: GREEN=counting, RED=stopped.
- **Match number:** from 0 to 3, or out; 20cm of digit height and legibility till 60m and beyond.

Technical data:

- **Installation:** Very simple because, after to have inserted the power plug and connected the FULL-ARM-05, the scoreboard is ready to use. It is supplied with suitable thin chains that allow, not only an easy fixing to wall or at ceiling, but also the possibility to change the inclination to the best possible visibility.
- **Cabinet:** Strong metal container, black dust painted. Transparent and antireflex front panel.
- **Dimensions:** width 150cm, height 98cm, depth 7cm.
- **Weight:** 34,5kg.
- **Serial cable length:** 15m.
- **Power supply:** 230Vac, 120VA max. It is also available the 115V version, selectable during purchase.

PLAY6T (Art. 362)

ELECTRONIC SCOREBOARDS

Art.362
PLAY6T scoreboard with timer
Size: 56x19x4cm. - Weight: 1.3kg.

Art.362-T
PLAY6T with infrared remote control
Size: 56x19x4cm. - Weight: 1.54kg.

Art.362-C
PLAY6T with wired remote control by 7m long cable
Size: 56x19x4cm. - Weight: 2.4kg.

TECHNICAL DATA

An attractive design which fits in perfectly anywhere.

- Ultra-flat: thickness 4cm - height 19.5cm - length 56cm.
- Numbers 60 mm high, red and green like the corresponding buttons.
- It has a 25 mm high yellow centre display for displaying the chronometer and is used when the players have to respect time limits on the game. It shows how much time the player has left for the shot or for pre-match warming up.
- Flat, membrane keyboard with large buttons and clearly legible printing which make the keyboard easy to use and pleasant to look at. Sealed against dust and smoke, it eliminates problems of uncertain touches by players over time. Minimum life span of each button: five million touches.
- If there is a blackout, no point total held in the memory will be lost, and all that without the use of batteries.
- A sturdy plastic container, completely insulated with no need of a ground connection. It comes equipped with cord and plug, but it can be opened easily at the back for a possible direct connection.
- Wall mounting is simple, solid and immediate using 2 front screws.
- Negligible energy consumption: max 6VA at 230Vac (available 115Vac version).

KEYS FUNCTIONS

- **ON/OFF** button: turns on and off.
- **START** button: returns the score to zero to begin a game.
- Buttons from **0** to **9**: for setting the points to add; the addition will be carried out automatically three seconds after their entry.
- Buttons **(C)** and **(-)**: for deleting the last entry and for subtracting points respectively.
- **MEMORY** button: shows the points previously recorded (as a check).
- **MATCH COUNT** button: if one wishes to count the number of games won as well as have the point score.
- **2 or 6 PLAYERS** button: allows the keeping of scores for 2 or 6 players. When set up for 6 players, one side shows the player's number and the other his respective score.
- **ON-OFF TIMER** button. For turning on and off the chronometer.
- **START-TIME 1** and **START-TIME 2** buttons. For starting the chronometer with the preset TIME1 or TIME2 times. TIME1 can be programmed from 5 to 90 seconds whilst TIME2 can be programmed from 2 to 9 minutes.
- **STOP** and **CONTINUE** buttons. For stopping and resuming respectively the chronometer if an interruption is required.

OTHER VERSIONS

PLAY6T with infrared TELECONTROL (Art.362T)

An innovative system allows more than one infrared remote control to be used in the same room without the need for setting any code.

- Range: 15m.
- Power supply: with a 9-Volt alkaline battery.
- Lifespan: about 140.000 operations!
- Sturdy small alluminum box: 14,5 x 5,5 x 2,2cm.
- Membrane keyboard which does not get ruined by dirt or liquids.

PLAY6T with REMOTE CONTROL (Art.362C)

Allows for remote control of the appliance by means of a separate keyboard attached to a 7m cable. It is useful when the scoreboard is positioned high up or far away from the operator (e.g. on walls with limited free space, thin columns; etc.).

PLAY6T with BRIAR color (Art.362R)

In addition to the black (standard version) all models are available also with a briar finish.

PS-BJJ (Art.165)

Tabletop Portable Scoreboard for Brazilian Jiu-Jitsu (or Brasilian Ju-Jitsu)

TECHNICAL DATA

PS-BJJ is a Brazilian Jiu-Jitsu (or Brasilian Ju-Jitsu) portable scoreboard. It is also indicated for sports or training with Action/Pause sequences such as boxing, taekwondo, spinning, etc.

- **Height of digits:** 9cm, easily visible for over 30m.
- **Scores:** da 0 a 99 per athlete.
- **Advantages**: from 0 to 9 per athlete.
- **Penalties:** from 0 to 9 per athlete, with automatic assigning of advantages and scores to the opponent.
- **Contest time:** programmable from 0:00 to 99:59. Counting in forward or backward mode.
- **"LUTE time"**: programmable. It is only displayed on the console.
- **Medical crosses:** two medical crosses per side.
- **Acoustic signal:** automatic at the end of the contest or at the end of the "Lute time", programmable with 3 different types of sound and 3 levels of volume.
- **Training mode:** programming of "action-pause" sequences by the setting of the Action time, Pause time and Number of sequences; useful for kick-boxing, boxing, fitness environments, etc.
- **Casing:** light, resistant and easily transportable.
- **Console** with bright display behind the scoreboard for easy table use. Dirt-proof and waterproof membrane keyboard.
- **Out/In serial ports** for linking various scoreboards in cascade and for a variety of displays in different positions and angles.
- **Power supply**: the PS-BJJ is provided with a 100-240V/12Vdc AC Power Adaptor; the type of plug can be specified when ordering. Power can also be supplied using an external rechargeable battery (see Optional Accessories, Item 828).
- **Dimensions and weight**: 55x35x9.5cm, 3.7kg.

OPTIONAL ACCESSORIES

- **Art.167 Carrying case**
  The carrying case may also house the battery (Art.828), the battery charger (Art.169).

For the battery power supply:

- **Art.828 Rechargeable battery** 12V/6-7Ah. The average duration of the battery is from 8 to 10 hours.
- **Art.169 Battery Charger** for art.828 battery

Additional, separate Console, to control at distance the PS-BJJ

- **Art.358-PSBJJ** - CONSOLE DISPLAY PS-BJJ (picture1, picture2)
  It comes with power supply and 2.5m long cable for the connection to the PS-BJJ scoreboard. Different length cables are available: 15m (art.859), 30m (art.859A) and 60m (art.859B).
  Power can also be supplied using an external rechargeable battery (art.828). The average duration of the battery is from 80 to 100 hours.

Art.165
PS-BJJ Brazilian Jiu-Jitsu Portable Scoreboard
Size: 55x35x9,5cmcm. - Weight: 3.9kg.

Art.167
Transport case (60x40cm)
Size: 60x40x13.5cm. - Weight: 2.5kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.358-PSBJJ
CONSOLE DISPLAY PS-BJJ
Additional console to control at distance the PS-BJJ. It comes with power supply and 2.5m long cable for the connection to the PS-BJJ.
Size: 28,3x10x6,8cm. - Weight: 1.4kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

PS-J (Art.164)

Tabletop Portable Scoreboard for JUDO

TECHNICAL DATA

PS-J is a judo portable scoreboard ideal for judo tournaments and it is also indicated for sports or training with Action/Pause sequences such as boxing, taekwondo, spinning, etc.

PS-J works in compliance with the current IJF rules (International Judo Federation). IJF 2013-2016 Regulation. PSJ-6 software version.

- **Height of digits:** 9cm, easily visible for over 30m.
- **Scores:** YUKO, WAZA-ARI and IPPON scores in direct mode through the special keys or automatically as a consequence of penalties inflicted to the opponent.
- **Penalties:** SHIDO-1-2-3 and HANSOKU-MAKE.
- **Contest time:** programmable.
- **Osaekomi times:** are programmable to obtaining the Ippon and the Waza-ari.
- **Golden Score:** programmable.
- **Acoustic signal:** automatic at the end of the contest or at the end of the Osaekomi time, programmable with 3 different types of sound and 3 levels of volume.
- **Training mode:** programming of "action-pause" sequences by the setting of the Action time, Pause time and Number of sequences; useful for kick-boxing, boxing, fitness environments, etc.
- **Casing:** light, resistant and easily transportable.
- **Console** with bright display behind the scoreboard for easy table use. Dirt-proof and waterproof membrane keyboard.
- **Out/In serial ports** for linking various scoreboards in cascade and for a variety of displays in different positions and angles.
- **Power supply**: the PS-J is provided with a 100-240V/12Vdc AC Power Adaptor; the type of plug can be specified when ordering. Power can also be supplied using an external rechargeable battery (see Optional Accessories, Item 828).
- **Dimensions and weight**: 55x35x9.5cm, 3.7kg.

OPTIONAL ACCESSORIES

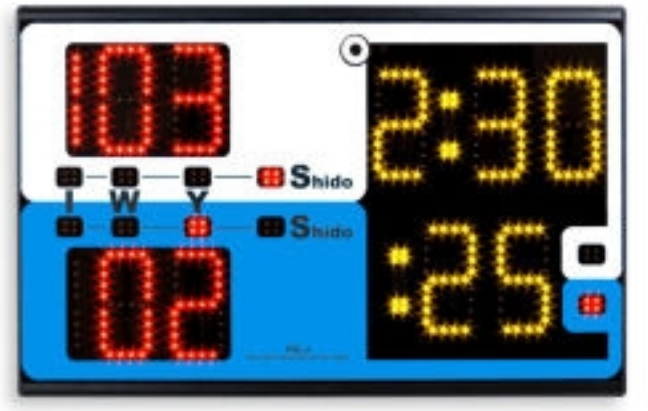
- **Art.167 Carrying case**
  The carrying case may also house the battery (Art.828), the battery charger (Art.169).

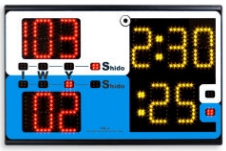
For the battery power supply:

- **Art.828 Rechargeable battery** 12V/6-7Ah. The average duration of the battery is from 8 to 10 hours.
- **Art.169 Battery Charger** 100-240V/13.8Vdc 1.5A

Additional, separate Console, to control at distance the PS-J

- **Art.358-PSJ** - CONSOLE DISPLAY PS-J (picture1, picture2)
  It comes with power supply and 2.5m long cable for the connection to the PS-J scoreboard. Different length cables are available: 15m (art.859), 30m (art.859A) and 60m (art.859B).
  Power can also be supplied using an external rechargeable battery (art.828). The average duration of the battery is from 80 to 100 hours.





Art.164
PS-J Judo Portable Scoreboard
Size: 55x35x9,5cm. - Weight: 3.7kg.

Art.167
Transport case (60x40cm)
Size: 60x40x13.5cm. - Weight: 2.5kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.164-05
KIT to upgrade a PS-Judo bought before 19-July-2012 to the new 2013-2016 IJF rules
It includes: plexiglass front, keyboard, chip vers.PSJ-6, instruction for upgrading, manual
Size: 54x33.5x2cm. - Weight: 0,75kg.

Art.164-06
Chip PSJ-6, to upgrade a PS-Judo bought from 19-July-2012 to 22-Jan-2013 to the new 2013-2016 IJF rules
Weight: 0,01kg.

Art.358-PSJ
CONSOLE DISPLAY PS-J
Additional console to control at distance the PS-J. It comes with power supply and 2.5m long cable for the connection to the PS-J.
Size: 28,3x10x6,8cm. - Weight: 1.4kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

PS-K (Art.162-2009)

Tabletop Portable Scoreboard for KARATE with WKF 2009-2011 rules

FEATURES

PS-K is a karate portable scoreboard ideal for karate tournaments and it is also indicated for sports or training with Action/Pause sequences such as boxing, taekwondo, spinning, etc**.**

- **Height of digits:** 9cm, easily visible for over 30m.
- **Scores:** IPPON, NIHON, SANBON for adding +1, +2 or +3 points respectively.
- **Penalties:** CAT1 and CAT2 with automatic assigning of scores to the opponent.
- **Contest time** programmable. Acoustic signal to indicate "xx seconds to the end" (programmable) and the end of contest time.
- **Sai-Shiai** Timer for game extension in the case of equal scores (programmable).
- **10 seconds** Timer used when the combatant fall to the ground. Acoustic signal to allert "x seconds before to get the 10 seconds" (programmable).
- **Acoustic signal** automatic to the end of the time and to the pre-end warnings, programmable with 3 different types of sound and 3 levels of volume.
- **Training mode:** programming of "action-pause" sequences by the setting of the Action time, Pause time and Number of sequences; useful for kick-boxing, boxing, fitness environments, etc.
- **Casing:** light, resistant and easily transportable.
- **Console** with bright display behind the scoreboard for easy table use. Dirt-proof and waterproof membrane keyboard.
- **Out/In serial ports** for linking various scoreboards in cascade and for a variety of displays in different positions and angles.
- **Power supply**: the PS-K is provided with a 100-240V/12Vdc AC Power Adaptor; the type of plug can be specified when ordering. Power can also be supplied using an external rechargeable battery (see Optional Accessories, Item 828).
- **Dimensions and weight**: 55x35x9.5cm, 3.6kg.

OPTIONAL ACCESSORIES

- **Art.167 Carrying case**
  The carrying case may also house the battery (Art.828), the battery charger (Art.169).

For the battery power supply:

- **Art.828 Rechargeable battery** 12V/6-7Ah. The average duration of the battery is from 10 to 12 hours.
- **Art.169 Battery Charger** 100-240V/13.8Vdc 1.5A

Additional, separate Console, to control at distance the PS-K

- **Art.358-PSK Console Display** PS-K (picture1, picture2)
  It comes with power supply and 2.5m long cable for the connection to the PS-K scoreboard. Different length cables are available: 15m (art.859), 30m (art.859A) and 60m (art.859B).
  Power can also be supplied using an external rechargeable battery (art.828). The average duration of the battery is from 80 to 100 hours.

Art.162-2009
... Obsolete product ... PS-K Karate Portable Scoreboard with WKF 2009-2011 rules
Size: 55x35x9,5cm. - Weight: 3.6kg.

Art.167
Transport case (60x40cm)
Size: 60x40x13.5cm. - Weight: 2.5kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

PS-K, Portable Scoreboard for KARATE (Art.162-2012) - Tabletop Portable Scoreboard for KARATE with WKF 2012 rules.

Karate portable scoreboard indicated for sports or training.

FEATURES

PS-K is a karate portable scoreboard ideal for karate tournaments and it is also indicated for sports or training with Action/Pause sequences such as boxing, taekwondo, spinning, etc**.**

- **Height of digits:** 9cm, easily visible for over 30m.
- **Scores:** YUKO, WAZA-ARI, IPPON, for adding +1, +2 or +3 points respectively.
- **Cautions/Penalties:** CAT1 and CAT2.
- **Contest time** programmable. Acoustic signal to indicate "xx seconds to the end" (programmable) and the end of contest time.
- **10 seconds** Timer used when the combatant fall to the ground. Acoustic signal to allert "x seconds before to get the 10 seconds" (programmable).
- **Acoustic signal** automatic to the end of the time and to the pre-end warnings, programmable with 3 different types of sound and 3 levels of volume.
- **Training mode:** programming of "action-pause" sequences by the setting of the Action time, Pause time and Number of sequences; useful for kick-boxing, boxing, fitness environments, etc.
- **Casing:** light, resistant and easily transportable.
- **Console** with bright display behind the scoreboard for easy table use. Dirt-proof and waterproof membrane keyboard.
- **Out/In serial ports** for linking various scoreboards in cascade and for a variety of displays in different positions and angles.
- **Power supply**: the PS-K is provided with a 100-240V/12Vdc AC Power Adaptor; the type of plug can be specified when ordering. Power can also be supplied using an external rechargeable battery (see Optional Accessories, Item 828).
- **Dimensions and weight**: 55x35x9.5cm, 3.6kg.

OPTIONAL ACCESSORIES

- **Art.167 Carrying case**
  The carrying case may also house the battery (Art.828) and the battery charger (Art.169).

For the battery power supply:

- **Art.828 Rechargeable battery** 12V/6-7Ah. The average duration of the battery is from 10 to 12 hours.
- **Art.169 Battery Charger** 100-240V/13.8Vdc 1.5A

Additional, separate Console, to control at distance the PS-K

- **Art.358-PSK Console Display** PS-K (picture1, picture2)
  It comes with power supply and 2.5m long cable for the connection to the PS-K scoreboard. Different length cables are available: 15m (art.859), 30m (art.859A) and 60m (art.859B).
  Power can also be supplied using an external rechargeable battery (art.828). The average duration of the battery is from 80 to 100 hours.

Art.162-2012
PS-K Karate Portable Scoreboard with WKF 2012 rules
Size: 55x35x9,5cm. - Weight: 3.6kg.

Art.167
Transport case (60x40cm)
Size: 60x40x13.5cm. - Weight: 2.5kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.162-06
KIT to upgrade an old PS-Karate to the new 2012 WKF rules
It includes: keyboard, chip vers.PSK-7, instruction for upgrading, manual
Size: 34x7x2cm. - Weight: 0,05kg.

Art.358-PSK
CONSOLE DISPLAY PS-K
Additional console to control at distance the PS-K. It comes with power supply and 2.5m long cable for the connection to the PS-K.
Size: 28,3x10x6,8cm. - Weight: 1.4kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

PS-KB (Art.163)

Tabletop Portable Scoreboard for KickBoxing

TECHNICAL DATA

PS-KB is a kickboxing portable scoreboard, ideal for kick-boxing tournaments. It is also indicated for training with Action-Pause sequences.

- **Heigh of digits:** 9cm, easily visible for over 30m.
- **Scores:** from -9 to 99 per athlete (+1, +2, +3, -1).
- **Exits:** from 0 to 9 per athlete.
- **Warnings:** a luminous points per athlete.
- **Round:** from 0 to 9.
- **Chronometer:** from 00:00 to 99:59. Counting in forward or backward mode. Three timings available that can easily be activated from the console (e.g.: Round time, Pause time, Extra time). It is also managed the Medic Time.
- **Acoustic signal:** automatic to the end of time (if enabled) or manual, with 3 different types of sound and 3 levels of volume.
- **Training mode:** programming of sequences "action-pause" by the setting of the Action time, Pause time and Number of sequences; useful for many sports.
- **Casing:** light, resistant and easily transportable.
- **Console** with bright display behind the scoreboard for easy table use. Dirt-proof and waterproof membrane keyboard.
- **Out/In Serial Ports** for linking various scoreboards in cascade and for a variety of displays in different positions and angles.
- **Power supply**: the PS-KB is provided with a 100-240V/12Vdc AC Power Adaptor; the type of plug can be specified when ordering. Power can also be supplied using an external rechargeable battery (see Optional Accessories, Item 828).
- **Dimensions and weight**: 55x35x9.5cm, 3.6kg.

OPTIONAL ACCESSORIES

- **Art.167 Carrying case**
  The carrying case may also house the battery (Art.828) and the battery charger (Art.169).

For the battery power supply:

- **Art.828 Rechargeable battery** 12V/6-7Ah. The average duration of the battery is from 8 to 10 hours.
- **Art.169 Battery Charger** 100-240V/13.8Vdc, for battery art.828.

Additional, separate Console, to control at distance the PS-KB

- **Art.358-PSKB** - CONSOLE DISPLAY PS-KB (picture1, picture2)
  It comes with power supply and 2.5m long cable for the connection to the PS-KB scoreboard. Different length cables are available: 15m (art.859), 30m (art.859A) and 60m (art.859B).
  Power can also be supplied using an external rechargeable battery (art.828). The average duration of the battery is from 80 to 100 hours.

Art.163
PS-KB KickBoxing Portable Scoreboard
Size: 55x35x9,5cm. - Weight: 3.6kg.

Art.167
Transport case (60x40cm)
Size: 60x40x13.5cm. - Weight: 2.5kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.358-PSKB
CONSOLE DISPLAY PS-KB
Additional console to control at distance the PS-KB. It comes with power supply and 2.5m long cable for the connection to the PS-KB.
Size: 28,3x10x6,8cm. - Weight: 1.4kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

PS-M (Art.160)

Tabletop Portable Scoreboard - MULTISPORT

TECHNICAL DATA

PS-M is an electronic multisport portable scoreboard ideal for many sports activities, such as: basketball, volleyball, five-a-side football, water polo, kick-boxing, ping-pong, etc.

- **Heigh of digits:** 9cm, easily visible for over 30m.
- **Scores:** from 0 to 199 per team.
- **Fouls/Sets/Other:** from 0 to 9 per team.
- **Possession/Round:** 1 luminous point per team.
- **Periods:** from 0 to 9.
- **Timeout:** 4 luminous points per team.
- **Chronometer:** from 00:00 to 99:59. Counting in forward or backward mode. Two timings available that can easily be activated from the console (e.g.: Game time, Pause time). Visualization (when activated) of tenths of seconds during the last minute of the game (for basketball, water polo, etc.).
- **Acoustic signal:** automatic to the end of time (if enabled) or manual, with 3 different types of sound and 3 levels of volume.
- **Training mode:** programming of sequences "action-pause" by the setting of the Action time, Pause time and Number of sequences; useful for kick-boxing, boxing, fitness environments, etc. CASING: light, resistant and easily transportable.
- **Casing:** light, resistant and easily transportable.
- **Console** with bright display behind the scoreboard for easy table use. Dirt-proof and waterproof membrane keyboard.
- **Out/In Serial Ports** for linking various scoreboards in cascade and for a variety of displays in different positions and angles.
- **Adhesive text** in various languages: LOCALI-OSPITI, HOME-GUEST, HEIM-GÄSTE, LOCAUX-VISITEURS, LOCALES-VISITANTES.
- **Power supply**: the PS-M is provided with a 100-240V/12Vdc AC Power Adaptor; the type of plug can be specified when ordering. Power can also be supplied using an external rechargeable battery (see Optional Accessories, Item 828).
- **Dimensions and weight**: 55x35x9.5cm, 3.6kg.

OPTIONAL ACCESSORIES

- **Art.167 Carrying case**
  The carrying case may also house the battery (Art.828), the battery charger (Art.169).

For the battery power supply:

- **Art.828 Rechargeable battery** 12V/6-7Ah. The average duration of the battery is from 8 to 10 hours.
- **Art.169 Battery Charger** 100-240V/13,8Vdc 1.5A

Additional, separate Console, to control at distance the PS-M

- **Art.358-PSM Console Display** for portable scoreboard PS-M (picture1, picture2)
  It comes with power supply and 2.5m long cable for the connection to the PS-M scoreboard. Different length cables are available: 15m (art.859), 30m (art.859A) and 60m (art.859B).
  Power can also be supplied using an external rechargeable battery (art.828). The average duration of the battery is from 80 to 100 hours.

Art.160
PS-M Multisport Portable Scoreboard
Size: 55x35x9,5cm. - Weight: 3.6kg.

Art.167
Transport case (60x40cm)
Size: 60x40x13.5cm. - Weight: 2.5kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.358-PSM
CONSOLE DISPLAY for portable scoreboard PS-M
Additional console to control at distance the PS-M. It comes with power supply and 2.5m long cable for the connection to the PS-M.
Size: 28,3x10x6,8cm. - Weight: 1.4kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

PS-W (Art.161)

Wrestling Scoreboard. Tabletop Portable Scoreboard for Greco-Roman Wrestling, Freestyle Wrestling and Female Wrestling.

TECHNICAL DATA

The PS-W is an electronic scoreboard ideal for Greco-Roman, Freestyle and Female Wrestling contests. It works according to the current rules of the FILA (Federation Internationale des Luttes Associees).
It is also indicated for training with Action/Pause sequences.

- **Heigh of digits:** 9cm, easily visible for over 30m.
- **Scores:** from 0 to 99 per athlete.
- **Cautions (Av)**: 3 luminous points per atlete.
- **Victories:** 2 luminous points per atlete (2 blue + 2 red).
- **Period**: from 0 to 9.
- **Chronometer**: from 0:00 to 9:59. Counting in forward or backward mode. Five programmable timers which are easily activated from the consul via special keys for managing various types of Wrestling. A special timer for Greco-Roman Wrestling is also included which permits managing the continuation of count time when a "danger position" is present.
- **Acoustic signal:** automatic to the end of time (if enabled) or manual, with 3 different types of sound and 3 levels of volume.
- **Training mode:** programming of sequences "action-pause" by the setting of the Action time, Pause time and Number of sequences; useful for many sports.
- **Casing:** light, resistant and easily transportable.
- **Console** with bright display behind the scoreboard for easy table use. Dirt-proof and waterproof membrane keyboard.
- **Out/In Serial Ports** for linking various scoreboards in cascade and for a variety of displays in different positions and angles.
- **Power supply**: the PS-KB is provided with a 100-240V/12Vdc AC Power Adaptor; the type of plug can be specified when ordering. Power can also be supplied using an external rechargeable battery (see Optional Accessories, Item 828).
- **Dimensions and weight**: 55x35x9.5cm, 3.6kg.

OPTIONAL ACCESSORIES

- **Art.167 Carrying case**
  The carrying case may also house the battery (Art.828) and the battery charger (Art.169).

For the battery power supply:

- **Art.828 Rechargeable battery** 12V/6-7Ah. The average duration of the battery is from 8 to 10 hours.
- **Art.169 Battery Charger** 100-240Vac/13.8Vdc, for battery art.828.

Additional, separate Console, to control at distance the PS-W

- **Art.358-PSW Console Display** PS-W (picture1, picture2)
  It comes with power supply and 2.5m long cable for the connection to the PS-W scoreboard. Different length cables are available: 15m (art.859), 30m (art.859A) and 60m (art.859B).
  Power can also be supplied using an external rechargeable battery (art.828). The average duration of the battery is from 80 to 100 hours.

Art.161
PS-W Wrestling Portable Scoreboard
Size: 55x35x9,5cm. - Weight: 3.6kg.

Art.167
Transport case (60x40cm)
Size: 60x40x13.5cm. - Weight: 2.5kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.358-PSW
CONSOLE DISPLAY PS-W
Additional console to control at distance the PS-W. It comes with power supply and 2.5m long cable for the connection to the PS-W.
Size: 28,3x10x6,8cm. - Weight: 1.4kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

Perimeter Light

Perimeter Lights for Basketball Backboards

Available in 3 versions:

Art.253-01 KIT of Perimeter Light and Control Unit
Art.253-02 Control Unit
Art.253-03 Perimeter Light

Art.253-01
KIT of Perimeter Light and Control Unit (picture)
This KIT is installed when using FS-series 24-second shot clocks, as with the models FS-24s-1, FS-24s-3, and FS-24s-4. The control signal for activating the perimeter light comes from the same serial data cable that connects to the shot clocks.
For basketball courts, two of these items are required (one for each basketball backboard).

The KIT includes :
- Control Unit, ready to be connected to the same serial data cable used for FS-series scoreboards. The data cable receives information for the activation of the Perimeter Light.
- Perimeter light with an 8 m. long cable to be connected to the control unit.
- Fastening brackets for the perimeter light suitable for the majority of Basketball backboards.
- Connecting cables between the Control Unit and the serial data cable that attaches to the 24-second shot clock.

Art.253-02
Control Unit (for Perimeter Light not provided) (picture)
This Control Unit is used when you already possess a perimeter light from another manufacturer but wish to install FS-series 24-second shot clocks, such as the models FS-24s-1, FS-24s-2, and FS-24s-3. The Control Unit receives the control signal from the same serial data cable that connects to the 24-second shot clock, and provides a closing contact so that a Perimeter Light from a different manufacturer can be controlled.
For basketball courts, two of these items are needed (one for each basketball backboard).

Includes:
- Control Unit, ready to be connected to the same serial data cable used for FS-series scoreboards. The serial data cable receives information for the activation of the Perimeter Light. The Control Unit provides, via an internal relay, a closing contact so that a Perimeter Light from a different manufacturer can be controlled.
- Connecting cables between the Control Unit and the serial data cable that connects to the 24-second shot clock.

Art.253-03
Perimeter Light (without Control Unit) (picture)
This item is used when you want to install a Favero Perimeter Light on systems with 24-second shot clocks made by other manufacturers. In any case, such systems must provide, via a relay, a closing contact so that the activation of the Favero Perimeter Light can be controlled.
For basketball courts, two of these items are needed (one for each basketball backboard).

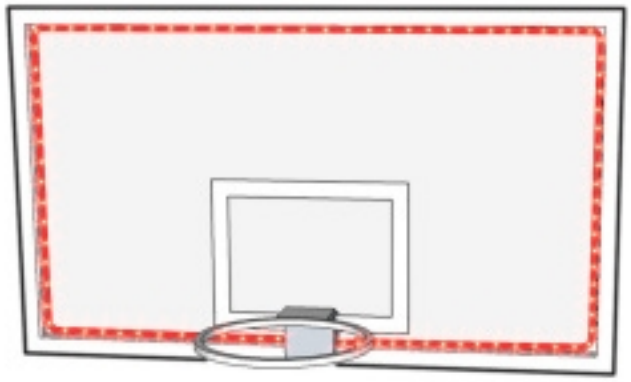
Includes:
- Perimeter Light and its power supply with a 230V input.
- Fastening brackets for the perimeter light suitable for the majority of Basketball Backboards

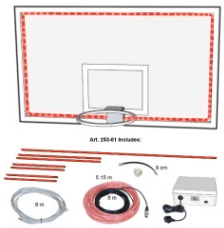
Perimeter Light Features

- **Compliant with FIBA regulations.**
- **Flexible** and applicable to all types of Basketball backboards.
- Length: 5.15m. in a single piece. Junction connectors are not necessary.
- Power supply: 12V, 1.3A.

Other Features

- **2 years warranty.** (info).
- **Power supply:** 100-240V, 1A, 50-60 Hz. The type of plug can be chosen upon purchase.





Art.253-01
KIT of Perimeter Light and Control Unit
Size: LEDstrip=515cm , BOX=19x14x7cm. - Weight: 4.9kg.

Art.253-02
Control Unit (for Perimeter Light not provided)
Size: BOX= 19x14x7cm. - Weight: 1.1kg.

Art.253-03
Perimeter Light (without Control Unit)
Size: LEDstrip =515cm. - Weight: 4.4kg.

Piste-Apparatus Cable

(Art.919)

Piste-Apparatus cable, 5m long

Art.919
Piste-Apparatus cable, 5m long
Weight: 0.11kg.

Art.914-1
Crocodile clip
Spare part
Weight: 0.013kg.

Art.919-1
Male 4mm plug
Spare part
Weight: 0.006kg.

MICRO8 and MICRO32 Printer

(Art.710)

Functions if connected to MICRO32:

- Prints on forty (40) columns.
- It automatically prints the receipt at the end of each game or only when the PRINT button is pushed.
- Printed on the receipt is an account of the game charges and possible food-and-drink charges, and the first line of that receipt may bear an advertising message.
- Choice of whether or not to print on the receipt the beginning and ending time of each game.
- Useful for printing the complete status of the totalizers as well as of the programming.

Functions if connected to MICRO8-P (Art.708/P) :

- Prints on forty (40) columns.
- It automatically prints the receipt at the end of each game.
- Useful for printing the complete status of the totalizers as well as of the programming.

Art.710
PRINTER for MICRO32
Size: 17x12x10,5cm. - Weight: 1.4kg.

Products update

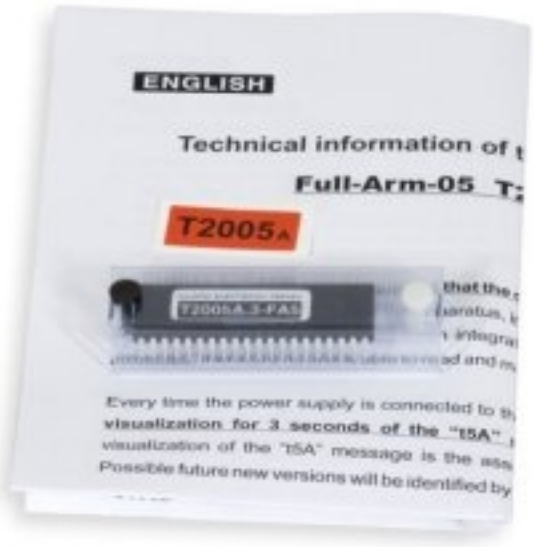
Updating of the apparatuses to the new T2005 FIE rules

- **Full-Arm-01**:
  Instruction for the updating to the T2005A version ...download PDF

  Technical information of the T2005A version ...download PDF
- **Full-Arm-03**:
  Instruction for the updating to the T2005A version ...download PDF

  Technical information of the T2005A version ...download PDF
- **Full-Arm-05**:
  Instruction for the updating to the T2005A version ...download PDF

  Technical information of the T2005A version ...download PDF
- **FA-07**:
  Technical information of the T2005 version ...download PDF



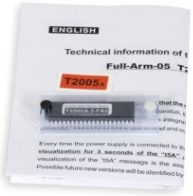
FAVERO: Analysis and considerations on the missing hits
In English ...download PDF

Documenti FIE

- FIE congress in DOHA (12-13 November 2005)
  In English. ...download PDF
- New rules for the convention weapons: foil and sabre (20 Aug 2005)
  In English. ...download PDF

Art.824-05A
T2005A-FA1 chip to upgrade the Full-Arm-01
Weight: 0.005kg.

Art.830-05A
T2005A-FA3 chip to upgrade the Full-Arm-03
Weight: 0.01kg.



Art.831-05A
T2005A-FA5 chip to upgrade the Full-Arm-05
Weight: 0.01kg.

RADIO-SPARK Art.A003

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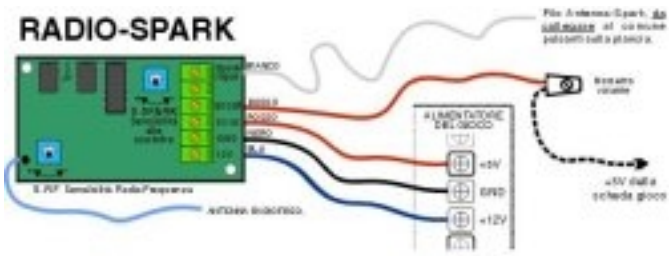
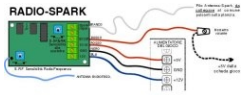




Art.A003
RADIO-SPARK-ALARM

FUNZIONAMENTO

Il Radio-Spark-Alarm/28 interviene interrompendo immediatamente (tramite transistor) i 5V di alimentazione della scheda gioco e segnalando lo stato di allarme per 5 secondi. Esso interviene in ben 3 diversi tentativi di manomissioni dovuti a:

1. **Trasmettitori radio**: la presenza di un elevato segnale di radiofrequenza provoca lo spegnimento del gioco e la segnalazione di allarme con un suono intermittente (1 bip ogni 0,5s) per 5 secondi. La gamma delle frequenze rilevate è molto ampia e copre tutte quelle che abbiamo riscontrato essere pericolose.
2. **Scariche elettriche (di accendigas ecc..)**: in questo caso l'allarme è segnalato da un suono intermittente veloce.
3. **Ripetuti spegnimenti-accensioni**: l'accensione della scheda gioco avviene solo dopo 5s che l'interruttore del gioco è stabile nella posizione di acceso.

INSTALLAZIONE

Il Radio-Spark viene fornito di fili con faston per il collegamento diretto agli usuali alimentatori switching dei videogiochi.
La posizione ideale del filo d'antenna è diritta e lontana da altri fili del cablaggio o strutture metalliche.

SENSIBILITÁ

Può essere regolata sia la sensibilità alle scariche (S.SPARK) che quella alla radiofrequenza (S.RF).

DATI TECNICI

- Alimentazione: 12V 70mA, 5V 10mA (minimo 4,8V)
- Corrente di interruzione sui 5V: 7A max (Max. consumo della scheda gioco)
- Tempo di intervento tipico: 8 us
- Dimensioni: 8 x 3,8cm

RADIO-SPARK-230V, 115, 24Vcc, 12Vcc

Interrupts the power supply of a device in case of attempted tampering due to radio interference or electrical discharge.

4 Models are available and they differ for the power supply that has to be interrupted:

art. **A4-230 RADIO-SPARK-230V**
Interrupts the power supply of a device powered by 230Vac.

art. **A4-115 RADIO-SPARK-1150V**
Interrupts the power supply of a device powered by 115Vac.

art. **A4-024C RADIO-SPARK-24Vcc**
Interrupts the power supply of a device powered by 24Vcc.

art. **A4-012C RADIO-SPARK-12Vcc**
Interrupts the power supply of a device powered by 12Vcc.

OPERATION

The Radio-Spark works by interrupting immediately (by a relay) the power supply of the device it has to protect and signalling an alarm for 5 seconds. It operates in 3 different types of attempted tampering due to:

1. **Radio transmitters**: in the presence of a high level of radio frequency, the Radio-Sparks causes the power off of the device and activates a signalling alarm with a beeping sound (1 bip every 0.5s) for 5 seconds. The range of the radio frequencies is vast and covers all those that have been found dangerous.
2. **Electrical discharge (of gas lighters etc.)**: in this case the alarm is signalled by a fast intermittent sound.
3. **Repeated power on and off**: the device is powered after only 5 seconds the power voltage is stabilized, avoiding problems caused by repeated switch (on/off) activations.

INSTALLATION

The Radio-Spark is placed in a series to the 2 wires of the power supply which has to be stopped when the interference takes place. It comes with terminal blocks for the connection to the entry and exit voltage.

It is supplied with plug in terminal blocks and so as to ease the installation in already-made wiring or its removal.

SENSITIVITY

It is possible to adjust either the sensitivity to electrical discharge (sens.SPARK) or to radio-frequency shocks (sens.RF).

TECHNICAL INFORMATION

- Power supply of Radio-spark board: it is given by the same voltage used to power the device. The consumption of the Radio-spark board is very low: 30mA for the 230V version, 60mA for the 115V version, 90mA for 24Vcc and 12Vcc versions.
- Maximum electric current allowed for each connecting device: 10A.
- Typical operation time: 5ms release time of the relay.
- Buzzer sound strenght: 105dB/30cm
- Dimentions and weight: 104x51xH42mm, kg. 0.24/0.14

Art.A4-230
RADIO-SPARK-230
Interrupts the power supply of a device powered by 230Vac.

Size: 10,4x5,1xH4,2cm. - Weight: 0.24kg.

Art.A4-115
RADIO-SPARK-115
Interrupts the power supply of a device powered by 115Vac.
Size: 10,4x5,1xH4,2cm. - Weight: 0.24kg.

Art.A4-024c
RADIO-SPARK-24Vdc
Interrupts the power supply of a device powered by 24Vcc.
Size: 10,4x5,1xH4,2cm. - Weight: 0.14kg.

Art.A4-012C
RADIO-SPARK-12Vdc
Interrupts the power supply of a device powered by 12Vcc.
Size: 10,4x5,1xH4,2cm. - Weight: 0.14kg.

Art.A4-500
Plastic box to contain the RADIO-SPARK electronic board, series A4-xxx

If ordered together the RADIO-SPARK board, the board is inserted into the plastic box.

Size: 12x8x5cm. - Weight: 0,11kg.

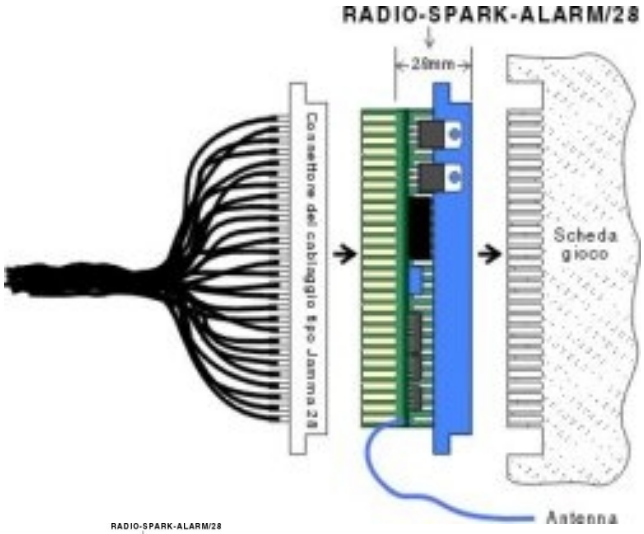
RADIO-SPARK/28 (Art.A002)

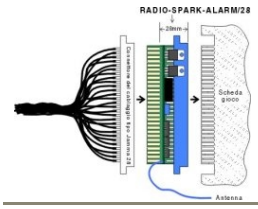
This page is only available in Italian. Here follows the Italian version.

Controllore di manomissioni dovute a:

1. **Trasmettitori di radiofrequenza.**
2. **Scariche elettriche (di accendigas, accendini piezo, ecc..).**
3. **Ripetuti spegnimenti-accensioni.**

Viene direttamente inserito sul connettore 28+28pin del cablaggio tipo Jamma o Pool10 prolungando lo stesso di soli 28mm. Lo RADIO-SPARK/28 non solo ha il vantaggio di una pratica e veloce installazione, ma anche quello di una migliore intercettazione dei disturbi provocati dalle scariche. Infatti la sua posizione, prima della scheda gioco, gli permette di individuare i disturbi provenienti dalle varie parti del gioco stesso (plancia, gettoniera, ticket-dispenser, monitor, ecc..).





Art.A002
RADIO-SPARK-ALARM/28

FUNZIONAMENTO

Lo RADIO-SPARK/28 interviene interrompendo immediatamente (tramite transistor) i 5V di alimentazione della scheda gioco e segnalando lo stato di alarme per 5 sec. Esso interviene in ben 3 diversi tentativi di manomissioni dovuti a:

1. Trasmettitori radio: la presenza di un elevato segnale di radiofrequenza provoca lo spegnimento del gioco e la segnalazione di allarme con un suono intermittente (1 bip ogni 0,5s) per 5 secondi. La gamma delle frequenze rilevate è molto ampia e copre tutte quelle che abbiamo riscontrato essere pericolose.
2. Scariche elettriche (di accendigas ecc..): in questo caso l'allarme è segnalato da un suono intermittente veloce.
3. Ripetuti spegnimenti-accensioni: l'accensione della scheda gioco avviene solo dopo 5s che l'interruttore del gioco è stabile nella posizione di acceso.

INSTALLAZIONE

Inserire semplicemente lo RADIO-SPARK/28 sul connettore del cablaggio tipo Jamma, facendo attenzione a rispettare il lato componenti. Se la scheda gioco ha uno schedino di adattamento al cablaggio, esso rimane inserito sulla scheda gioco. Vi sarà perciò la successione: scheda gioco, schedino di adattamento al cablaggio tipo Jamma, RADIO-SPARK/28 e connettore del cablaggio.
La posizione ideale del filo d'antenna è diritta e lontana da altri fili del cablaggio o strutture metalliche.

SENSIBILITÁ

Può essere regolata sia la sensibilità alle scariche (S.SPARK) che quella alla radiofrequenza (S.RF).

DATI TECNICI

- Alimentazione: 12V 70mA, 5V 10mA (minimo 4,8V)
- Corrente di interruzione sui 5V: 7A max (Max. consumo della scheda gioco)
- Tempo di intervento tipico: 8µs

RADIO-SPARK/RESET (Art.A006)

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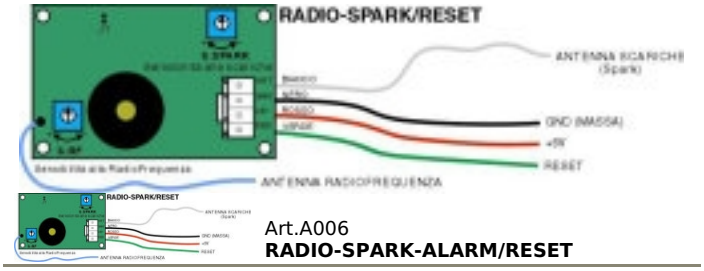
E' la versione da utilizzare per proteggere i giochi non standard, come ad esempio quelli da banco.



Art.A006
RADIO-SPARK-ALARM/RESET

FUNZIONAMENTO

Il RADIO-SPARK/RESET (o RADIO-SPARK-ALARM/RESET)riconosce i disturbi generati nelle vicinanze del gioco da trasmettitori radio e/o da scariche elettriche ed interviene sul segnale di Reset della scheda gioco, arrestando istantaneamente il funzionamento della stessa e segnalando lo stato di allarme per 5 secondi. Esso interviene nei tentativi di manomissioni dovuti a:

1. **Trasmettitori radio:** la presenza di un elevato segnale di radiofrequenza provoca il blocco del gioco e la segnalazione di allarme con un suono intermittente (1 bip ogni 0,5s) per 5 secondi. La gamma delle frequenze rilevate è molto ampia e copre tutte quelle che abbiamo riscontrato essere pericolose.
2. **Scariche elettriche (di accendigas, accendini piezolettrici, ecc..):** in questo caso l'allarme è segnalato da un suono intermittente veloce.
3. **Ripetuti spegnimenti-accensioni:** l'abilitazione della scheda gioco avviene solo dopo 5 secondi che la tensione di alimentazione dei 5V è stabile.

INSTALLAZIONE

Si consiglia di fissare lo schedino RADIO-SPARK/RESET sulla scheda del gioco, poichè è necessario eseguire sulla stessa la saldatura di 3 fili che devono essere collegati rispettivamente a GND (massa), +5V e al segnale di Reset.
Il RADIO-SPARK/RESET dispone di 2 fili d'antenna lunghi 50cm:

1. **Antenna Scariche (spark):** dovrebbe passare vicino alle zone sensibili alle scariche oppure attorciliato lungo i fili del cablaggio che arriva alla scheda gioco. Il filo può essere allungato nel caso sia necessario ottenere una maggiore sensibilità.
2. **Antenna RadioFrequenza:** la posizione ideale del filo è diritta e lontana da altri fili o strutture metalliche. Sui giochi di piccole dimensioni può comunque essere posizionata assieme all'Antenna-scariche.

SENSIBILITÁ

Può essere regolata sia la sensibilità alle scariche (S.SPARK) che quella alla radiofrequenza (S.RF).

Funzione "ANTIDISTURBO SALTUARIO"

Sullo RADIO-SPARK/RESET è possibile abilitare la funzione Antidisturbo-Saltuario, ponticellando, con l'uso di un saldatore, il punto indicato con J1 sullo schedino RADIO-SPARK/RESET.
Tale funzione evita lo spegnimento del gioco se avviene una saltuaria scarica elettrostatica (simile a quella che spesso si prova scendendo dall'auto) oppure un elevato disturbo di rete.
Se la funzione Antidisturbo-Saltuario è abilitata (ponticello chiuso), lo spegnimento del gioco avviene solo se la scarica (o il forte disturbo di rete) succede entro un minuto dalla scarica precedente, altrimenti la scarica provoca solamente la segnalazione sonora.

DATI TECNICI

- Alimentazione: 5V 10mA (minimo 4,8V).
- Tempo di intervento tipico: 8µs.
- Segnale di Reset: uscita con transistor NPN a collettore aperto. Il livello di uscita è a zero nella situazione di allarme.
- Dimensioni: 6,8 x 4cm.

CABLE FOR REEL

(Art.900-C1)

Art.900-C1 - CABLE FOR REEL, 20m long

Art.900C1-M - Reel cable, type 900-C1 (1 meter)

Art.900-C1
CABLE FOR REEL, 20m long
Spare part
Weight: 0.3kg.

Art.900C1-M
Reel cable, type 900-C1 (1 meter)
To order one coil of the wished length
Weight: 0.015kg.

Sub-floor box for fencing reel

(Art.904)

In few seconds the reel can be extracted and fixed above the sub-floor box cover or reinserted in the same, leaving free the floor for other activities.

- To avoid the shifting of the reel, the sub-floor box cover has two suitable holes to insert the two detents made of two screws with a couple of nuts on each one, fixed on the bottom of the reel. Such Detents are provided with the sub-floor box and they must be screwed on the bottom of the reel replacing the two front closing screws.
- Inside the sub-floor box there is an adhesive cable tie holder on which fixing, by the suitable cable tie, the cable that connect the device to the reel: set it up at about 20cm from the 3 pin plug. The surplus of cable, should be blocked on a internal sidewall of the sub-floor box using other adhesive cable tie holders, so that it could not bother the insertion or extraction of the reel.
- Sturdy cover made out in grey PVC and bottom in aluminium.
- Total dimensions: 45 x 45 x 12.5cm. Total weight 5.3kg.

Art.904
Sub-floor Box for the Millennium reel
Size: 45x45x12,5cm. - Weight: 5.3kg.

Art.904A
Sub-floor Minibox for apparatus cables
Size: 20x20x20cm. - Weight: 1.2kg.

Floor Cable 14m long, with 3-Pin plugs (Art.903)

FLOOR CABLE 14m long, with 3-Pin plugs

Art.903
FLOOR CABLE 14m long, with 3-Pin plugs
Weight: 0.7kg.

Art.910
3-Pin Plug for floor and body cord
Weight: 0.021kg.

SC-2 Art.A301

Electronic board for moneychanger

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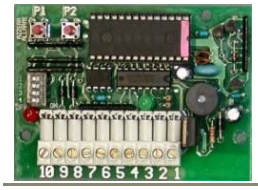


Art.A301
SC-2
Weight: 0.055kg.

Caratteristiche tecniche:

- Possono essere utilizzati i più comuni lettori di banconote: SMILEY, EBA, EDUE, DSI (nella loro versione pulse). Il livello del segnale di inibizione è programmabile.
- Possono essere utilizzati i più comuni hopper: CUBE HOPPER, MK4, MKII, AZKOYEN.
- Controllo di hopper vuoto, con inibizione del lettore di banconote e segnalazione tramite un led situato sullo schedino SC2. Inoltre può essere collegata anche una lampada SPIA ANOMALIE esterna.
- Funzione di svuotamento hopper, tenendo premuti entrambi i pulsanti P1 e P2 situati sullo schedino SC2.
- Comando contatore monete uscite, con durata impulso costante, per un conteggio più sicuro.
- Varie possibilità di programmazione Num. Impulsi Coin / Num. Monete Erogate.
- Segnalazione sonora di allarme se vengono riscontrati impulsi di coin anomali, dovuti a disturbi, guasti o manomissioni (la loro durata deve essere compresa fra 40 e 330ms e la pausa fra due impulsi deve essere maggiore di 40ms).
- Segnalazione sonora di allarme se il numero di monete erogate dall'hopper risulta maggiore di quelle previste dagli impulsi di coin del lettore.
- La segnalazione sonora di allarme persiste per 2 minuti, bloccando il lettore di banconote e l'hopper. Se durante i 2 minuti di allarme viene spenta la macchina, alla sua riaccensione ne ripartono altri 2. Terminata la segnalazione, il cambiamonete riprende a funzionare regolarmente, evitando l'obbligo dell'intervento da parte dell'operatore. L'allarme viene però memorizzato e segnalato ad ogni accensione della macchina con un breve suono intermittente. Se sono avvenuti più allarmi si udiranno più segnali in successione, uno ogni secondo, per un massimo di 15. L'operatore quindi, accendendo la macchina, può assicurarsi se sono avvenute anomalie sul cambiamonete e in che quantità.
- Premendo il pulsantino P1 situato sullo schedino SC2 viene azzerato sia lo stato di allarme che il numero di allarmi in memoria.
- Può essere collegato un avvisatore acustico supplementare, per una segnalazione esterna di allarme più intensa.
- Verifica che all'accensione il segnale di coin sia a livello alto. Se permane a livello basso viene segnalata l'anomalia con un suono intermittente veloce.
- Segnalazione anomalia motore: se il motore dell'hopper è in funzione ed a causa di un'inceppamento non fuoriescono monete da 6 secondi, avviene un breve arresto e ripartenza del motore. Se per ulteriori 6 secondi non fuoriescono monete, avviene una segnalazione sonora di allarme (per 2 minuti) e si accende anche la SPIA-ANOMALIE.
- Segnalazione anomalia del sensore di uscita monete dell'hopper: se rimane bloccato, viene inibito il lettore di banconote e lampeggia la SPIA-ANOMALIE.

SC-5 Art.A303

Electronic board for moneychanger

This page is only available in Italian. Here follows the Italian version.

Caratteristiche tecniche:

- **Display retro illuminato** con 2 righe da 20 caratteri. Per facilitare l'installazione, il display è fissato sulla stessa scheda di controllo, ma è possibile, a richiesta, avere una versione con display separato, collegato tramite un apposito cavo piatto.
- **Controllo di 1 o 2 hopper.** Possono essere usati tutti i più comuni hopper: Mk4, Mk2, Cube hopper, Azkoyen, Hopper ONE, ecc.
- **Controllo di un lettore di banconote sia pulse che parallelo.** Possono essere usati tutti i più comuni tipi di lettore: Smiley, EBA, EDUE, DSI, ecc.. Il livello di inibizione è programmabile.
- **Controllo di gettoniera elettronica** (tipo pulse) **o di gettoniera a comparazione.**
- **Controllo di un ticket dispenser**, utile per cambiare le monete vinte con tickets rimborsabili dal gestore del locale con banconote. Il gestore evita così sia di contare le monete da rimborsare sia di reintrodurle nel cambiamonete.
- **Contabilità** parziale (giornaliera) e generale (per verifiche sul lungo periodo).
- **Svuotamento** facile, tramite un apposito pulsante sulla scheda. Tale pulsante può essere "doppiato" se necessita di uno specifico posizionamento.
- **Avvisatore acustico** incorporato per segnalazione di anomalie gravi. Un ulteriore avvisatore acustico può essere collegato esternamente.
- **Bonus** programmabili, per un eventuale uso con gettoni.
- **Connettore 18+18 pin** (in dotazione) per una pratica e diretta saldatura di tutti i fili del cablaggio.
- **Dimensioni contenute**: larghezza 116mm, altezza 65mm, spessore 36mm, (display incluso).
- **Antispark** incorporato, con segnalazione sonora e visiva dell'allarme.
- **Nessun uso di batterie** per il mantenimento dei dati. Rimangono in memoria per 40 anni.

- **Molteplici controlli di anomalie o errori.** Particolare cura è stata posta affinché il cambiamonete sia sicuro, esente da erogazioni non dovute, causate da guasti o disturbi elettrici voluti e non voluti. Segue una lista delle anomalie riscontrabili, segnalate anche da appositi messaggi sul display:

1. Hopper vuoto.
2. Anomalia sensore di uscita moneta dell'hopper.
3. Durata anomala degli impulsi di coin del lettore di banconote o della gettoniera (troppo brevi o troppo lunghi rispetto all'usuale durata).
4. Mancata erogazione di monete dopo un tempo programmabile.
5. Tensione di alimentazione 12V insufficiente.
6. Anomalia segnalata dagli hopper sulla loro uscita Errore o Anomalia.
7. Erogazione di monete superiore al dovuto.
8. Mancata erogazione ticket.
9. Riscontro di disturbi dovuti a scariche elettriche di accendini piezoelettrici, ecc.

Art.A303
SC-5
Weight: 0.135kg.

Art.A303C
SC-5 with separated display by 50cm cable
Weight: 0.15kg.

Sabre/Foil Mask wire

(art.915)

Connection cable for sabre mask or foil mask.

Art.915
Sabre/Foil Mask wire
Weight: 0.03kg.

FOS-16 (Art.300-16)

Outdoor Scoreboard for Football/Soccer.

Functions displayed:

Game time: [00:00 - 99:59], digits 45cm high.
Team scores: [0-9], digit 45cm high.
Time of day: displayed when the control console is turned off or disconnected.

Technical characteristics:

- **Dimensions and weight**: 314,5x59x15cm, 42kg.
- **For outdoor use.** Resistant to bad weather. Works in temperatures of -20°C to +50°C.
- **Distance and readability angle:** 200m, 130 degrees.
- **Good visibility** even in direct sunlight. Each 45cm digit is composed of 264 SMD LEDs with 1cd of brightness each and an average life of 100,000 hours. The brightness of the scoreboard can be adjusted for dimming during evening hours via the command console (see ACCESSORIES).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Resistant to acts of vandalism.** The front panel cannot be broken or damaged by rocks or moderate-sized objects thrown at it.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **Clock.** The time of day is automatically displayed when the console is turned off or disconnected. The clock`s internal battery has a life of 20 years!
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Technical instructions in 5 languages:** English, French, Spanish, German, Italian.
- **Robust container** made from powder-coated aluminum. Front panel made from polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.302-02) that allows you to save on the cable costs (see ACCESSORIES).
- **Conformal Coating** (anti-moisture) of the electronic boards.
- All the electronic boards are easily accessible from their fronts.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 170VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.

- **Radio Receiver for FOS scoreboards** (art.302-02). It is intended to be mounted above the scoreboard and receives the data transmitted by the control console, when equipped with a radio transmitter, which helps to avoid cable costs. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. Radio range up to 300m without obstacles. **>>** FOS2 Radio Receiver installation manual

Art.300-16
FOS-16 Outdoor scoreboard
Size: 314,5x59X15cm. - Weight: 42kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.302-02
FOS2 Radio receiver for FOS-series scoreboards
Size: 16x12x8cm. - Weight: 1kg.

FOS-18 (Art.300-18)

Outdoor Scoreboard for Football/Soccer, Rugby, Hockey, Five-a-side, ecc.

Functions displayed:

Game time: [00:00 - 99:59], digits 45cm high.
Team scores: [0-99], digits 45cm high.
Time of day: displayed when the control console is turned off or disconnected.

Technical characteristics:

- **Dimensions and weight**: 388,5x59x15cm, 50kg.
- **For outdoor use.** Resistant to bad weather. Works in temperatures of -20°C to +50°C.
- **Distance and readability angle:** 200m, 130 degrees.
- **Good visibility** even in direct sunlight. Each 45cm digit is composed of 264 SMD LEDs with 1cd of brightness each and an average life of 100,000 hours. The brightness of the scoreboard can be adjusted for dimming during evening hours via the command console (see ACCESSORIES).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Resistant to acts of vandalism.** The front panel cannot be broken or damaged by rocks or moderate-sized objects thrown at it.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **Clock.** The time of day is automatically displayed when the console is turned off or disconnected. The clock`s internal battery has a life of 20 years!
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Technical instructions in 5 languages:** English, French, Spanish, German, Italian.
- **Robust container** made from powder-coated aluminum. Front panel made from polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.302-02) that allows you to save on the cable costs (see ACCESSORIES).
- **Conformal Coating** (anti-moisture) of the electronic boards.
- All the electronic boards are easily accessible from their fronts.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 200VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**
User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **Radio Receiver for FOS scoreboards** (art.302-02). It is intended to be mounted above the scoreboard and receives the data transmitted by the control console, when equipped with a radio transmitter, which helps to avoid cable costs. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. Radio range up to 300m without obstacles. **>>** FOS2 Radio Receiver installation manual

Art.300-18
FOS-18 Outdoor scoreboard
Size: 388,5X59X15cm. - Weight: 50kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.302-02
FOS2 Radio receiver for FOS-series scoreboards
Size: 16x12x8cm. - Weight: 1kg.

FOS-26 (Art.300-26)

Outdoor Scoreboard for Football/Soccer.

Functions displayed:

Game time: [00:00 - 99:59], digits 45cm high.
Team scores: [0-9], digit 45cm high.
Time of day: displayed when the control console is turned off or disconnected.

Technical characteristics:

- **Dimensions and weight**: 166,5x118x15cm, 46kg.
- **For outdoor use.** Resistant to bad weather. Works in temperatures of -20°C to +50°C.
- **Distance and readability angle:** 200m, 130 degrees.
- **Good visibility** even in direct sunlight. Each 45cm digit is composed of 264 SMD LEDs with 1cd of brightness each and an average life of 100,000 hours. The brightness of the scoreboard can be adjusted for dimming during evening hours via the command console (see ACCESSORIES).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Resistant to acts of vandalism.** The front panel cannot be broken or damaged by rocks or moderate-sized objects thrown at it.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **Clock.** The time of day is automatically displayed when the console is turned off or disconnected. The clock`s internal battery has a life of 20 years!
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Technical instructions in 5 languages:** English, French, Spanish, German, Italian.
- **Robust container** made from powder-coated aluminum. Front panel made from polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.302-02) that allows you to save on the cable costs (see ACCESSORIES).
- **Conformal Coating** (anti-moisture) of the electronic boards.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 170VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**
User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **Radio Receiver for FOS scoreboards** (art.302-02). It is intended to be mounted above the scoreboard and receives the data transmitted by the control console, when equipped with a radio transmitter, which helps to avoid cable costs. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. Radio range up to 300m without obstacles. **>>** FOS2 Radio Receiver installation manual

Art.300-26
FOS-26 Outdoor scoreboard
Size: 166,5X118X15cm. - Weight: 46kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.302-02
FOS2 Radio receiver for FOS-series scoreboards
Size: 16x12x8cm. - Weight: 1kg.

FOS-29 (Art.300-29)

Outdoor Scoreboard for Football/Soccer, Rugby, Hockey, Five-a-side, ecc.

Functions displayed:

Game time: [00:00 - 99:59], digits 45cm high.
Team scores: [0-99], digits 45cm high.
Period: [0-9], digit 45cm high.
Time of day: displayed when the control console is turned off or disconnected.

Technical characteristics:

- **Dimensions and weight**: 259x118x15cm, 66kg.
- **For outdoor use.** Resistant to bad weather. Works in temperatures of -20°C to +50°C.
- **Distance and readability angle:** 200m, 130 degrees.
- **Good visibility** even in direct sunlight. Each 45cm digit is composed of 264 SMD LEDs with 1cd of brightness each and an average life of 100,000 hours. The brightness of the scoreboard can be adjusted for dimming during evening hours via the command console (see ACCESSORIES).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Resistant to acts of vandalism.** The front panel cannot be broken or damaged by rocks or moderate-sized objects thrown at it.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **Clock.** The time of day is automatically displayed when the console is turned off or disconnected. The clock`s internal battery has a life of 20 years!
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Technical instructions in 5 languages:** English, French, Spanish, German, Italian.
- **Robust container** made from powder-coated aluminum. Front panel made from polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.302-02) that allows you to save on the cable costs (see ACCESSORIES).
- **Conformal Coating** (anti-moisture) of the electronic boards.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 220VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**
User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **Radio Receiver for FOS scoreboards** (art.302-02). It is intended to be mounted above the scoreboard and receives the data transmitted by the control console, when equipped with a radio transmitter, which helps to avoid cable costs. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. Radio range up to 300m without obstacles. **>>** FOS2 Radio Receiver installation manual

Art.300-29
FOS-29 Outdoor scoreboard
Size: 259X118X15cm. - Weight: 66kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.302-02
FOS2 Radio receiver for FOS-series scoreboards
Size: 16x12x8cm. - Weight: 1kg.

FOS-36 (Art.300-36)

Outdoor Scoreboard for Football/Soccer.

Functions displayed:

Game time: [00:00 - 99:59], digits 45cm high.
Team scores: [0-9], digit 45cm high.
Team-names programmable: 8 characters per team, alt. 25cm.
Time of day: displayed when the control console is turned off or disconnected.

Technical characteristics:

- **Dimensions and weight**: 333x99x15cm, 75kg.
- **For outdoor use.** Resistant to bad weather. Works in temperatures of -20°C to +50°C.
- **Distance and readability angle:** 200m, 130 degrees. Team names readable up to 110m.
- **Good visibility** even in direct sunlight. Each 45cm digit is composed of 264 SMD LEDs with 1cd of brightness each and an average life of 100,000 hours. The brightness of the scoreboard can be adjusted for dimming during evening hours via the command console (see ACCESSORIES).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Resistant to acts of vandalism.** The front panel cannot be broken or damaged by rocks or moderate-sized objects thrown at it.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **Clock.** The time of day is automatically displayed when the console is turned off or disconnected. The clock`s internal battery has a life of 20 years!
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Technical instructions in 5 languages:** English, French, Spanish, German, Italian.
- **Robust container** made from powder-coated aluminum. Front panel made from polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.302-02) that allows you to save on the cable costs (see ACCESSORIES).
- **Conformal Coating** (anti-moisture) of the electronic boards.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 340VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**
User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **Radio Receiver for FOS scoreboards** (art.302-02). It is intended to be mounted above the scoreboard and receives the data transmitted by the control console, when equipped with a radio transmitter, which helps to avoid cable costs. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. Radio range up to 300m without obstacles. **>>** FOS2 Radio Receiver installation manual

Art.300-36
FOS-36 Outdoor scoreboard with programmable team names
Size: 333x99x15cm. - Weight: 75kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.302-02
FOS2 Radio receiver for FOS-series scoreboards
Size: 16x12x8cm. - Weight: 1kg.

FOS-39 (Art.300-39)

Outdoor Scoreboard for Football/Soccer, Rugby, Hockey, Five-a-side, ecc.

Functions displayed:

Game time: [00:00 - 99:59], digits 45cm high.
Team scores: [0-99], digits 45cm high.
Period: [0-9], digit 45cm high.
Team-names programmable: 8 characters per team, alt. 25cm.
Time of day: displayed when the control console is turned off or disconnected.

Technical characteristics:

- **Dimensions and weight**: 333x158x15cm, 110kg.
- **For outdoor use.** Resistant to bad weather. Works in temperatures of -20°C to +50°C.
- **Distance and readability angle:** 200m, 130 degrees. Team names readable up to 110m.
- **Good visibility** even in direct sunlight. Each 45cm digit is composed of 264 SMD LEDs with 1cd of brightness each and an average life of 100,000 hours. The brightness of the scoreboard can be adjusted for dimming during evening hours via the command console (see ACCESSORIES).
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls." You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- **Resistant to acts of vandalism.** The front panel cannot be broken or damaged by rocks or moderate-sized objects thrown at it.
- **Game timer.** Using the Control Console (see ACCESSORIES) you can choose different operation modes depending on the sport selected: game and interval time, count back or forward, display last minute tenths of a second, display time of day, etc..
- **Clock.** The time of day is automatically displayed when the console is turned off or disconnected. The clock`s internal battery has a life of 20 years!
- **The horn** can be sounded manually or automatically when the time expires, producing a strong acoustic signal (120dB at 1m) with adjustable duration and intensity.
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Technical instructions in 5 languages:** English, French, Spanish, German, Italian.
- **Robust container** made from powder-coated aluminum. Front panel made from polycarbonate.
- **Supplied with serial cable** to connect to the Control console, 50m long or chose from different lengths when ordering. Alternatively, a Radio Receiver is available (art.302-02) that allows you to save on the cable costs (see ACCESSORIES).
- **Conformal Coating** (anti-moisture) of the electronic boards.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 410VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**
User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **Radio Receiver for FOS scoreboards** (art.302-02). It is intended to be mounted above the scoreboard and receives the data transmitted by the control console, when equipped with a radio transmitter, which helps to avoid cable costs. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. Radio range up to 300m without obstacles. **>>** FOS2 Radio Receiver installation manual

Art.300-39
FOS-39 Outdoor scoreboard with programmable team names
Size: 333X158X15cm. - Weight: 110kg.

Art.308-01
Console-700, multisport console with 7 touchscreen display
Size: 24.5x17x8.5cm. - Weight: 1.35kg.

Art.308-10
Case-700, carrying case for Console-700
2014-05-22
Size: 40x30x13.5cm. - Weight: 1.53kg.

Art.302-02
FOS2 Radio receiver for FOS-series scoreboards
Size: 16x12x8cm. - Weight: 1kg.

PLAY20-C (Art. 350, Art. 350T, Art. 350D)

Electronic scoreboard for basketball, volley, five-players football, table tennis, etc.

PLAY20-C with only keys console and without display (Art.350)

Visualized functions

- **Scores:** from 0 to 199 each side.
- **Set/Bonus:** from 0 to 3 each side.
- **Possession/Priority/Turn:** right or left hand side.
- **Chronometer**: up to 99 minutes and 59 seconds.

Technical data

- **Scoreboard's digits:** 17.4cm high.
- **Chronometer's digits:** 15cm high.
- **Visibility.** Scores: 60 meters. Chronometer: 50 meters.
- **Counting time**: programmable and choice of the forward or backward modality.
- An acoustic signal 105db-30cm (which can be excluded) warns when the time has run out.
- It is supplied with a keyboard already connected by means of a cable 30 meters long. The eventual extension of the cable is very easy because it is a cable with only 2 conductors and without any polarity.
- The sturdy membrane keyboard with big, coloured keys is reliable and easy to use.
- **Inscriptions adhesive** are available in (LOCALI-OSPITI) Italian, (HOME-GUEST) English, (HEIM-GÄSTE) German, (LOCAUX-VISITEURS) French and (LOCALES-VISITANTES) Spanish. Specify in the order the wished tongue.
- **Power supply:** 230Vac, 30VA MAX.
- **Sturdy metal container**.
- **Scoreboard dimension:** width 85cm, height 38cm, depth 11cm.
- **Keyboard dimension:** width 15.5cm, height 9cm, depth 1.5cm.
- **Total weight:** 9.5kg.

Art.350
PLAY20-C with only keys on console
Size: 75x59x10cm. - Weight: 12.3kg.

Art.350T
PLAY20-C with infrared remote control (Rx+Tx)
Size: 75x59x10cm. - Weight: 10.5kg.

Art.350D
PLAY20-C with console display
Size: 75x59x10cm. - Weight: 12.4kg.

Art.350R
PLAY20-C REPEATER
Size: 75x59x10cm. - Weight: 10.3kg.

OTHER VERSIONS

PLAY20-C with remote control and only keys console (Art.350T)

Available the version with infrared remote control in which, any way the keyboard with cable long 30 meters is given in endowment. Technicals details of the remote control:

- 25 meters range.
- Strong covering in aluminium and of contained dimensions: 11 x 4.8 x 2.2cm.
- Keyboard with a membrane unassailable from dirty and liquids.

PLAY20-C with luminous console display (Art.350D)

The link between the scoreboard and the console takes place through a wire phone: in endowment is given a 60m long cable. The console with display presents the following advantages:

- it is necessary if the console operator does not have a direct vision of the scoreboard and it performs the management easier;
- it disposes of a greater number of keys and tasks;
- Can be connected up to 4 scoreboard repeaters PLAY20C-REPEATER (see options).

OPTIONS

PLAY20C-REPEATER (Art.350R): use of a second scoreboard as repeater.

Some times can be useful install two or more scoreboards to improve the visualization by the audience and/or of the players. It is possible to connect till four PLAY20C-REPEATER (art.350R) to the "Console display" of the art.350D PLAY20-C model. The link among the console and the scoreboard takes place by a telephone cable (in endowment is along 60 meters).

Car HORN (Art.333I)

The PLAY20-C already has an his own acoustic signaller to signal the end of the time. If you need to get a more powerful acoustic signaller

(for instance in wide and/or noisy places) it is possible to order the PLAY20-C with a car horn included (Art. 333I). Please take care the car Horn is purchasable only together to tables and not subsequently.

PLAY30-C (Art.351, Art.351T, Art.351D)

Electronic scoreboard for basketball, volleyball, five-players football, handball, etc.

- **Art.351 - PLAY30-C with only keys console and without display**
  (console cable 30m)
- **Art.351T - PLAY30-C with infrared remote control and only keys console**
  (console cable 30m)
- **Art.351D - PLAY30-C with display console**
  (console cable 60m)

PLAY30-C with only keys console and without display (Art.351)

Visualized functions

- **Scores:** from 0 to 199 each side.
- **Set/Bonus/Fouls:** from 0 to 9 each side.
- **Possession/Priority/Turn:** right or left hand side.
- **Chronometer:** up to 99 minutes and 59 seconds.

Technical data

- **Scoreboard's digits:** 17.4cm high.
- **Set/Bonus/Fouls indicator's numbers:** 9.4cm high.
- **Chronometer's digits:** 15cm high.
- **Visibility.** Scores: 60m. Chronometer: 50m. Set/Bonus/Fouls: 30m.
- **Counting time**: programmable and choice of the forward or backward modality.
- An acoustic signal 105db-30cm (which can be excluded) warns when the time has run out.
- It is supplied with a keyboard already connected by means of a cable 30 metres long. The eventual extension of the cable is very easy because it is a cable with only 3 conductors.
- The sturdy membrane keyboard with big, coloured keys is reliable and easy to use.
- On request, adhesive writings, in various languages: HOME-GUEST, HEIM-GÄSTE, LOCALI-OSPITI, etc..
- **Power supply:** 230Vac, 40VA MAX.
- **Sturdy Metal container.**
- **Scoreboard measurements:** width 75cm, height 59cm, depth 10cm.
- **Keyboard measurements:** width 15.5cm, height 16cm, depth 1.5cm.
- **Total weight:** 13kg.

Art.351
PLAY30-C with only keys on console
Size: 75x59x10cm. - Weight: 12.3kg.

Art.351T
PLAY30-C with infrared remote control (Rx+Tx)
Size: 75x59x10cm. - Weight: 12.7kg.

Art.351D
PLAY30-C with console display
Size: 75x59x10cm. - Weight: 12.4kg.

Art.351R
PLAY30-C REPEATER
Size: 75x59x10cm. - Weight: 10.3kg.

OTHER VERSIONS

PLAY30-C with remote control and only keys console (Art.351T)

Available the version with infrared remote control in which, any way the keyboard with cable long 30 meters is given in endowment. Technicals details of the remote control:

- 25 meters range.
- Strong covering in aluminium and of contained dimensions: 11 x 4.8 x 2.2cm.
- Keyboard with a membrane unassailable from dirty and liquids.

PLAY30-C with luminous console display (Art.351D)

The link between the scoreboard and the console takes place through a wire phone: in endowment is given a 60m long cable. The console with display presents the following advantages:

- it is necessary if the console operator does not have a direct vision of the scoreboard and it performs the management easier;
- it disposes of a greater number of keys and tasks;
- Can be connected up to 4 scoreboard repeaters PLAY30C-REPEATER (see options).

OPTIONS

PLAY30C-REPEATER (Art.351R): use of a second scoreboards as repeater

Some times can be useful install two or more scoreboards to improve the visualization by the audience and/or of the players. It is possible to connect till four PLAY30C-REPEATER (art.351R) to the "Console display" of the art.351D PLAY30-C model. The link among the console and the scoreboard takes place by a telephone cable (in endowment is along 60 meters).

Internal Car HORN (Art.333I)

The PLAY30-C already has an his own acoustic signaller to signal the end of the time. If you need to get a more powerful acoustic signaller (for instance in wide and/or noisy places) it is possible to order the PLAY30-C with a car horn included (Art.333I). Please take care the car Horn is purchasable only together to tables and not subsequently.

PLAY8 (Art.380)

ELECTRONIC SCOREBOARDS

TECHNICAL DATA

An attractive design which fits in perfectly anywhere.

- Ultra-flat: thickness 4cm - height 19.5cm - length 56cm.
- Numbers 60 mm high, red and green like the corresponding buttons.
- In addition it has a 25 mm high yellow centre display which is very useful during carambole for showing the number of innings, or in other games for showing other things (snooker frames, games, penalties, etc.).
- Flat, membrane keyboard with large buttons and clearly legible printing which make the keyboard easy to use and pleasant to look at. Sealed against dust and smoke, it eliminates problems of uncertain touches by players over time. Minimum life span of each button: five million touches.
- If there is a blackout, no point total held in the memory will be lost, and all that without the use of batteries.
- A sturdy plastic container, completely insulated with no need of a ground connection. It comes equipped with cord and plug, but it can be opened easily at the back for a possible direct connection.
- Wall mounting is simple, solid and immediate using 2 front screws.
- Negligible energy consumption: max 6VA at 230Vac (available 115Vac version).

KEYS FUNCTIONS

- **ON/OFF** button: turns on and off.
- **START** button: returns the score to zero to begin a game.
- Buttons from **0** to **9**: for setting the points to add; the addition will be carried out automatically three seconds after their entry.
- Buttons **(C)** and **(-)**: for deleting the last entry and for subtracting points respectively.
- **MEMORY** button: shows the points previously recorded (as a check).
- **MATCH COUNT** button: if one wishes to count the number of games won as well as have the point score.
- **2 or 6 PLAYERS** button: allows the keeping of scores for 2 or 6 players. When set up for 6 players, one side shows the player's number and the other his respective score
- **CARAMB. AVERAGE** button: used in carom billiards to show the average points-per-innings -- i.e., the ratio between the points and the number of innings (or shots taken).
- Yellow buttons **(1)** and **(C)**. For increasing and deleting the yellow centre display.

Art.380
PLAY8
Size: 56x19x4cm. - Weight: 1.3kg.

Art.380-T
PLAY8 with infrared remote control
Size: 56x19x4cm. - Weight: 1.54kg.

Art.380-C
PLAY8 with wired remote control by 7m long cable
Size: 56x19x4cm. - Weight: 2.4kg.

OTHER VERSIONS

PLAY8 with infrared TELECONTROL (Art.380T)

An innovative system allows more than one infrared remote control to be used in the same room without the need for setting any code.

- Range: 15m.
- Power supply: with a 9-Volt alkaline battery.
- Lifespan: about 140.000 operations!
- Sturdy small alluminum box: 14,5 x 5,5 x 2,2cm.
- Membrane keyboard which does not get ruined by dirt or liquids.

PLAY8 with REMOTE CONTROL (Art.380C)

Allows for remote control of the appliance by means of a separate keyboard attached to a 7m cable. It is useful when the scoreboard is positioned high up or far away from the operator (e.g. on walls with limited free space, thin columns; etc.).

PLAY8 with BRIAR color (Art.380R)

In addition to the black (standard version) all models are available also with a briar finish.

PS-T (Art.166)

Tabletop Portable Scoreboard for TENNIS

FEATURES

PS-T is a tennis scoreboard ideal for tennis matches played to the best of the 3 sets.

- **Height of digits:** 9cm, easily visible for over 30m.
- **Game/Tie-Break scores:** two digits per player.
- **Sets:** three, with digits from 0 to 9 and the luminous points that show the winning of each set.
- **Service:** 1 luminous point per player.
- **Tie-Break:** 1 luminous point.
- **Operation:** manual and automatic to a complete easiness of the use.
- **Casing:** light, resistant and easily transportable.
- **Console** with bright display behind the scoreboard for easy table use. Dirt-proof and waterproof membrane keyboard.
- **Oout/In serial ports** for linking various scoreboards in cascade and for a variety of displays in different positions and angles.
- **Acoustic signal** manual.
- **Power supply**: the PS-T is provided with a 100-240V/12Vdc AC Power Adaptor; the type of plug can be specified when ordering. Power can also be supplied using an external rechargeable battery (see Optional Accessories, Item 828).
- **Dimensions and weight**: 55x35x9.5cm, 3.6kg.

OPTIONAL ACCESSORIES

- **Art.167 Carrying case**
  The carrying case may also house the battery (Art.828), the battery charger (Art.169).

For the battery power supply:

- **Art.828 Rechargeable battery** 12V/6-7Ah. The average duration of the battery is from 10 to 12 hours.
- **Art.169 Battery Charger** 100-240V/13.8Vdc, for battery art.828.

Additional, separate Console, to control at distance the PS-T

- **Art.358-PST** - CONSOLE DISPLAY PS-T (picture1, picture2)
  It comes with power supply and 2.5m long cable for the connection to the PS-T scoreboard. Different length cables are available: 15m (art.859), 30m (art.859A) and 60m (art.859B).

Art.166
PS-T Tennis Portable Scoreboard
Size: 55x35x9,5cm. - Weight: 3.6kg.

Art.167
Transport case (60x40cm)
Size: 60x40x13.5cm. - Weight: 2.5kg.

Art.828
RECHARGEABLE BATTERY 12V/7Ah with connectors
Size: 15x12x6,5cm. - Weight: 2.2kg.

Art.169
BATTERY CHARGER 100-240V/13,8Vdc 1,5A
For battery art.828
Weight: 0.32kg.

Art.358-PST
CONSOLE DISPLAY PS-T
Additional console to control at distance the PS-T. It comes with power supply and 2.5m long cable for the connection to the PS-T.
Size: 28,3x10x6,8cm. - Weight: 1.4kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

FS-412A (Art.260A)

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 12 players on the 2 teams.

Ideal for Basketball.

Functions displayed for each player (12 players per team):

Player number: [4-15], permanent fixed digits, 13cm high.
Fouls/Penalties: [4 indicator lights + 1 red], diameter 3.2cm.

Technical characteristics for both panels:

- **Dimensions and weight:** 120x260x11.5cm, 66.5kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 45VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual

Art.260A
FS-412A statistics panels, 2x12 players (Fouls)
Size: 2x 120x260x11,5cm. - Weight: 133kg.

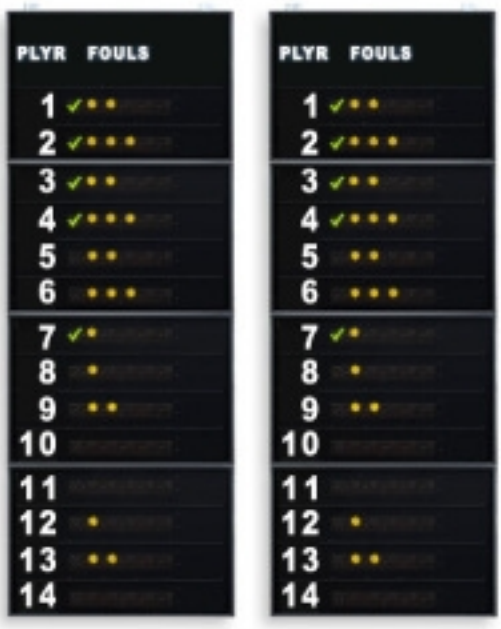
Art.260B
FS-412B statistics panels, 2x12 players (Player No. + Fouls)
Size: 2x 120x260x11,5cm. - Weight: 136kg.

Art.260C
FS-412C statistics panels, 2x12 players (Player No. +Fouls +Points)
Size: 2x 120x260x11,5cm. - Weight: 139kg.

FS-414A (Art.262A)

Pair of statistics panels (side displays) showing the Player No. and Fouls/Penalties of 14 players on the 2 teams.

Ideal for Basketball, Volleyball, 5-a-Side Football (Futsal), Waterpolo, Handball, etc..



Functions displayed for each player (14 players per team):

Player number: [0-99], permanent fixed digits, 13cm high.
Fouls/Penalties: [4 indicator lights + 1 red], diameter 3.2cm.

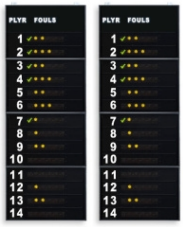
Technical characteristics for both panels:

- **Dimensions and weight:** 120x320x11.5cm, 82.5kg.
- **Distance and readability angle:** 70m (230ft), 150 degrees.
- **No front protection cover required.** Complies with DIN 18032-3 and UNI 9554 standards on "resistance to damage from balls". You save on the cost of a protective cover, visibility is completely preserved, and access to the scoreboard is easy.
- It can be used together with other models for creating large scoreboards displaying various information (info).
- **Shipping is cheap and fast.** The scoreboard is especially designed to be taken apart into smaller modules that are easy to assemble. This allows it to be shipped via all major couriers at a low cost and with faster delivery times to all countries.
- **Easy to install.** Technical instructions in 5 languages. Provided with bolts and brackets for wall mounting.
- **Supplied with serial cable** 4m in length to connect to the main electronic scoreboard (FS-100/100N, FS-110/110N, FS-120/120N, FS-130/130N) or to a Radio Receiver (art.265-20). See ACCESSORIES.
- **Robust container** made from powder-coated aluminum. Front panel made from anti-glare polycarbonate.
- **Views are easily accessible** from the front, built with high-quality, wide-angle SMD LEDs with an average life of 100,000 hours!
- **Control Console (not included).** Controlled via the Control Console (see ACCESSORIES) of the electronic scoreboard above it.
- **Optional anti-moisture coating** of the electronic boards, recommended for swimming-pool and ice-rink installations. Please specify this option when ordering..
- **Guarantee:** 2 years (info).
- **Power supply:** 100-240Vac, 50-60Hz, 50VA. Select the type of plug for the power supply cord when ordering.

ACCESSORIES (not included):

- **Scoreboard Control Console: Art.308-01 Console-700**

  User-friendly multisport touchscreen console for FC, FS, FW, TM, FOS series electronic scoreboards. Wireless or wired communication. 14-hour average life internal battery.
- **FS2 Radio Receiver for FS scoreboards (art.265-20).** Receives via radio the data transmitted by the control console and distributes the signal to one or more scoreboards via cable. Reliable wireless communication: by 2.4GHz FHSS (Frequency Hopping Spread Spectrum) radio transmission to avoid interferences. The use of a wireless system reduces costs by eliminating the need of a cable connection between console and scoreboards. >> Radio Receiver installation manual



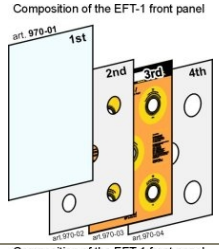
Art.262A
FS-414A statistics panels, 2x14 players (Fouls)
Size: 2x 120x320x11,5cm. - Weight: 165kg.

Art.262B
FS-414B statistics panels, 2x14 Players (Player No. + Fouls)

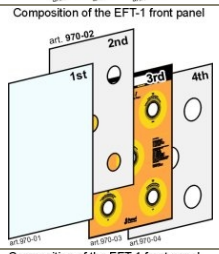
Size: 2x 120x320x11,5cm. - Weight: 168kg.

Art.262C
FS-414C statistics panels, 2x14 players (Player No. +Fouls +Points)
Size: 2x 120x320x11,5cm. - Weight: 172kg.

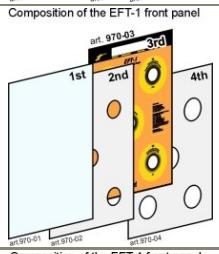
Spare parts for EFT-1



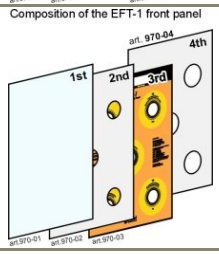
Art.970-01
Flexible transparent external sheet, 3mm thick, for EFT-1
Spare part for the EFT-1 front panel.
Size: 62,3x45,6x0,3cm. - Weight: 0,97kg.



Art.970-02
Internal sheet with 5 holes, each 70mm in diameter, for EFT-1
Spare part for the EFT-1 front panel.
Size: 62,3x45,6cm. - Weight: 0.53kg.



Art.970-03
Internal sheet with color print, for EFT-1
Spare part for the EFT-1 front panel.
Size: 62,3x45,6cm. - Weight: 0.57kg.



Art.970-04
Internal sheet with 5 holes, each 90mm in diameter, for EFT-1
Spare part for the EFT-1 front panel.
Size: 62,3x45,6cm. - Weight: 0.31kg.

Art.970-06
Complete target module for T1-T5 targets of EFT-1
Spare part
Size: 15x14x3cm. - Weight: 0,25kg.

Art.970-08
FAV.A903A Electronic board for T1-T5 targets of EFT-1
Spare part
Size: 7,5x5,5x1,5cm. - Weight: 0.02kg.

Art.970-09
FAV.A902 CPU board with display for EFT-1
Spare part
Size: 22,5x7,5x2cm. - Weight: 0.15kg.

Art.954
Power supply unit, 90-264V/12Vdc 2.5A, medical, for Full-Arm-01-05, FA-07
Weight: 0.34kg.

Art.970-14
Pair of wall mounts for EFT-1
Spare part
Size: 2x 44.4x4.4x1.0cm. - Weight: 0.32kg.

Spare parts for FA-07

Art.952
TELE-IR FA-07 infrared remote control
Spare part
Size: 14,3x5x2,3cm. - Weight: 0.19kg.

Art.952-5
Membrane keyboard for TELE-IR FA-07
Spare part
Weight: 0.01kg.

Art.952-4
Lithium-ion battery for TELE-IR FA-07
Spare part
Size: 5x1,5x1,5cm. - Weight: 0.022kg.

Art.952-1
Cable, 1.3m long, for FA-07 Remote Control
Weight: 0.04kg.

Art.952-2
Cable, 10m long, for FA-07 Remote Control
Weight: 0.15kg.

Art.954
Power supply unit, 90-264V/12Vdc 2.5A, medical, for Full-Arm-01-05, FA-07
Weight: 0.34kg.

Art.945-01
Grey-tinted plastic covers for one Tower Lights
Spare part
Size: 2pz 12,5x12x6cm. - Weight: 0.14kg.

Art.940-03
Grey-tinted transparent front piece for FA-07
Spare part
Size: 55x34,5x6cm. - Weight: 0.9kg.

Art.943
Carrying case for FA-07
Spare part. It is included in art.940.
Size: 60x40x13,5cm. - Weight: 2.8kg.

Art.940-01
FA-07-Scoreboard, without accessories
Size: 55x35x9,5cm. - Weight: 4,2kg.

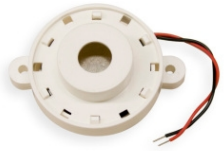
Art.940-04
Membrane keyboard for FA-07
Spare part
Weight: 0,015kg.

Art.858
Cable for DATA-LINE port, 2.5m long
Weight: 0.04kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

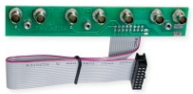
Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

Art.859B
Cable for DATA-LINE port, 60m long
Size: 40x15x5cm. - Weight: 0.9kg.



Art.0048-0160
Buzzer, 105db-30cm
Spare part
Size: 4.5x6x3cm. - Weight: 0.02kg.

Art.940-20
Software upgrade T2005A-FA-07



Art.0430-1690
FAV.A810A board, with 7 sockets and flat cable, for FA-01-05-07
Size: 118x20cm. - Weight: 0,03kg.

Spare parts for FCxx

Art.266-14
Serial Cable, 50m long, for FS, FC and FOS scoreboards
Weight: 1,00kg.

Art.266-16
Serial Cable, 75m long, for FS, FC and FOS scoreboards
Weight: 1,5kg.

Art.266-18
Serial Cable, 100m long, for FS, FC and FOS scoreboards
Weight: 2kg.

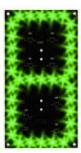
Art.266-22
Serial Cable, 150m long, for FS, FC and FOS scoreboards
Weight: 3kg.

Art.0060-1500
Power supply unit 90-264V/24Vdc 2.2A
Spare part
Size: 10x10x3.5cm. - Weight: 0.37kg.

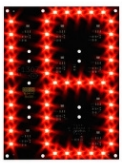
Art.0430-1484
FAV.A614 board, 2x4 green LEDs
Spare part
Size: 11.2x3.3cm. - Weight: 0.02kg.

Art.0430-2280
F1308 board, 1x5 red LEDs + 3x4 green LEDs
Spare part
Size: 16x3.5cm. - Weight: 0.02kg.

Art.0430-1720
FAV.A901A board, digit 8, red LEDs, H15cm
Spare part
Size: 16x8.4cm. - Weight: 0.05kg.



Art.0430-1724
FAV.A901A board, digit 8, green LEDs, H15cm
Spare part
Size: 16x8.4cm. - Weight: 0.05kg.



Art.0430-2270
F1307 board, digit 18, red LEDs, H15cm
Spare part
Size: 16x12.2cm. - Weight: 0.07kg.

Art.0430-2090
F1209A CPU board for 13 LED boards
Spare part
Size: 17.5x11.7cm. - Weight: 0.14kg.

Spare parts: FULL-ARM-01/05/03

Art.840
TELE-FULL-ARM infrared remote control for FA-05-03
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.854-A
SAFETY TRANSFORMER 230/12V 3.4A
Weight: 1.3kg.

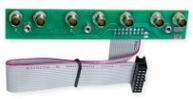
Art.891/4
CONTROL-LAMP-230V for 4 lamps 230V 1100W
Size: 20x15x8cm. - Weight: 0.68kg.

Art.R340
Smoke-grey front panel for PLAY6-8, etc.
Spare part
Size: 51x15x2,1cm. - Weight: 0.286kg.

Art.R325
Plastics KIT for the case of PLAY6-8, etc.
Spare part
Size: 56x19x4cm. - Weight: 0.84kg.

Art.890/4
CONTROL-LAMP-12V for 4 lamps 12V 60W
Size: 20x15x8cm. - Weight: 0.53kg.

Art.0430-0360A
FAV.9506B electronic board for TELE-FULL-ARM remote control
Spare part for art.840
Size: 5x3,9cm. - Weight: 0.017kg.

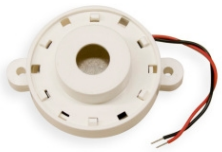


Art.0430-1690
FAV.A810A board, with 7 sockets and flat cable, for FA-01-05-07
Size: 118x20cm. - Weight: 0,03kg.

Art.824-10
Membrane Keyboard for Full-Arm-01 - spare part
Weight: 0,01kg.

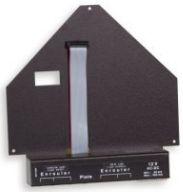
Art.831-10
Membrane keyboard for FULL-ARM-05 (spare part)
Weight: 0,01kg.

Art.R363-01
TELE-FULL-ARM membrane keyboard
Spare part
Weight: 0.003kg.



Art.0048-0160
Buzzer, 105db-30cm
Spare part
Size: 4.5x6x3cm. - Weight: 0.02kg.

Art.826
TABLE ADADPTER for FA-01-05
To transform the FA-01/W from the wall version to the desk version
Size: 28x22,5x8,5cm. - Weight: 0.65kg.



Art.826-W
WALL ADAPTER for FA-01-05
The insertion of the connectors comes from the bottom
Size: 20,2x20,5x3,5cm. - Weight: 0.47kg.

Useful to control the Full-Arm-01/W (wall version) when it is fixed too high on the wall.

Art.837
Wired Remote Control for FA-01/W by 3.5m long cable
Size: 15,5x9x1,6cm. - Weight: 0.5kg.

Art.838
REMOTE CONSOLE for FA-05 with 3.5m long cable
Size: 22x12,5x1,5cm. - Weight: 0,95kg.

Art.919
Piste-Apparatus cable, 5m long
Weight: 0.11kg.

Art.873
TABLE STAND - 1m high
Size: 55x6x4cm. - Weight: 1.1kg.

Art.868
Clamp for fastening the table stand
Size: 20x8,5x2cm. - Weight: 0.3kg.

Art.828-5
Extension cable, 115 cm, with XLB-3 connectors and 2-wire cord

The art.828 battery has a cable of only 35cm so if it is placed on the ground the extension cable (art.828-5) is also required.

Weight: 0,13kg.

Art.852
BOX-04 transport case for Full-Arm-01-05
Size: 60x40x13,5cm. - Weight: 3.0kg.

Art.905-02
Plastic handle for gray carrying case, 60x40cm
Spare part
Weight: 0.017kg.

Art.905-04
Set 2hinges + 2fastenings for gray carrying case, 60x40cm
Spare part
Weight: 0.012kg.

Art.857
Female power connector, without cable
Weight: 0.03kg.

Art.880
DOUBLER of the Data-Line signal
Weight: 0.01kg.

Art.858
Cable for DATA-LINE port, 2.5m long
Weight: 0.04kg.

Art.R350
Red-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R352
Green-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.856
Power cord 3.5m, with clamps for connect. to a car battery
Weight: 0.36kg.

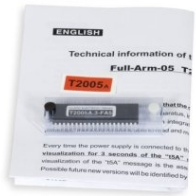
Art.854-B
SAFETY TRANSFORMER 115/12V 3.4A
Weight: 0.9kg.

Art.859B
Cable for DATA-LINE port, 60m long
Size: 40x15x5cm. - Weight: 0.9kg.

Art.830-05A
T2005A-FA3 chip to upgrade the Full-Arm-03
Weight: 0.01kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.824-05A
T2005A-FA1 chip to upgrade the Full-Arm-01
Weight: 0.005kg.



Art.831-05A
T2005A-FA5 chip to upgrade the Full-Arm-05
Weight: 0.01kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

Spare parts: BOX-3B, 4B, 9B, 16B, etc.

Art.603/CA
TRAY for Carambole (3x 61.5-63.2mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.603/IT
TRAY for Italiana Game (2x68 + 1x59mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.604
TRAY for 4 balls (4x61.5mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.609/IN
TRAY for 9 balls (9x61.5mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.609/NA
TRAY for 9 balls (8x59 + 1x54mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.616
TRAY for Pool
Size: 25x25x3,6cm. - Weight: 0.2kg.

Art.616/B
TRAY for Russian Pyramid (16x68mm)
Size: 30,5x30,5x3,6cm. - Weight: 0.31kg.

Art.622
TRAY for Snooker
Size: 31x31x4cm. - Weight: 0.28kg.

Art.602
TRAY for PING-PONG
Size: 25x25x5cm. - Weight: 0.205kg.

Art.R126
Ball presence detector for TIMER (10 pieces)
Spare part
Weight: 0.062kg.

Art.R400
COIL with diodes for BOX
Spare part
Weight: 0.136kg.

Art.R140
KIT for LAMP CONTROL, for TIMER
Weight: 0.19kg.

Art.R142
Microswitch 16A
Spare part
Weight: 0.007kg.

Spare parts: COIN TIMER

Art.R131
LOCK 060-code with keys
Spare part
Weight: 0.062kg.

Art.R200-1
TOKEN 26-1SS type
Weight: 0.007kg.

Art.R120
Lithium battery 3.6V for Timer/LCD20 electronic board
Spare part
Weight: 0.018kg.

Art.R125
Transparent LCD-Protector with screws
Spare part
Weight: 0.007kg.

Art.603/CA
TRAY for Carambole (3x 61.5-63.2mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.603/IT
TRAY for Italiana Game (2x68 + 1x59mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.604
TRAY for 4 balls (4x61.5mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.609/IN
TRAY for 9 balls (9x61.5mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.609/NA
TRAY for 9 balls (8x59 + 1x54mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.616
TRAY for Pool
Size: 25x25x3,6cm. - Weight: 0.2kg.

Art.616/B
TRAY for Russian Pyramid (16x68mm)
Size: 30,5x30,5x3,6cm. - Weight: 0.31kg.

Art.622
TRAY for Snooker
Size: 31x31x4cm. - Weight: 0.28kg.

Art.602
TRAY for PING-PONG
Size: 25x25x5cm. - Weight: 0.205kg.

Spare parts: CONSOLE-320

Art.230-01
Carrying case for Console-320
Size: 60x40x16cm. - Weight: 3.1kg.

Art.905-02
Plastic handle for gray carrying case, 60x40cm
Spare part
Weight: 0.017kg.

Art.905-04
Set 2hinges + 2fastenings for gray carrying case, 60x40cm
Spare part
Weight: 0.012kg.

Art.234
Universal Adapter 100-240V /12V-1A, DC plug
Weight: 0.31kg.

Spare parts: CONTROL-LAMP-BALL-CARDS

Art.R740-1
Electronic board for CONTROL-LAMP-8
Spare part
Size: 15x10x5cm. - Weight: 0.67kg.

Art.R741-1
Electronic board for CONTROL-LAMP-16
Spare part
Size: 27,5x10,2x5cm. - Weight: 0.92kg.

Art.R732
RELAY for CONTROL-LAMP and Termodelta
Spare part
Weight: 0.017kg.

Art.R730
Transformer for CONTROL-BALL
Spare part
Weight: 0.8kg.

Art.R740
Transformer for CONTROL-LAMP-8-16
Spare part
Weight: 0.405kg.

Art.750
EXTENSION WIRE 15m long for CONTROL-LAMP-BALL
(additional)
Weight: 0.2kg.

Spare parts: CRONO, CRONO-M

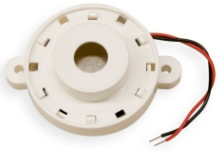
Art.334
Additional keyboard for CRONO and CRONO-M
With cable 1,3m long.
Size: 15,5x9x1,6cm. - Weight: 0.43kg.

Art.R310
Membrane Keyboard for Crono/Crono-M - spare part
Weight: 0.009kg.

Art.R361-7
Infrared remote control for Crono/Crono-M - Tx only
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.0430-0360B
FAV.9506B electronic board for remote control of Play20-20d-20C-20V-30V-30C-40-Crono-CronoM
Spare part
Size: 5x3,9cm. - Weight: 0.017kg.

Art.R320-1
Electronic board FAV.9306B (CPU for PLAY20 etc.)
Spare part
Weight: 0.065kg.



Art.0048-0160
Buzzer, 105db-30cm
Spare part
Size: 4.5x6x3cm. - Weight: 0.02kg.

Art.333E
EXTERNAL Electromagnetic Horn 110dB-2m
Size: 16x21x8cm. - Weight: 1.7kg.

Spare parts: Coin Timer CTx

Art.194-1
CCA-1 Electronic Comparable Coin Acceptor, for 1 coin or token
Spare part
Size: 12.5x6.5x15.5cm. - Weight: 0,50kg.

Art.196-1
MCA-1 Electronic Multi-Coin Acceptor, for 6 coins/tokens
Spare part
Size: 12.5x6.5x12cm. - Weight: 0,30kg.

Art.R200-3
Bi-metallic token, diam. 26mm
Size: 2mm x Ø 2.6cm. - Weight: 0,005kg.

Art.R200-1
TOKEN 26-1SS type
Weight: 0.007kg.

Art.199-40
Relay 12Vdc, 30A 250Vac
Size: 7x3,5x4cm. - Weight: 0,08kg.

Spare parts: Console-700

Art.308-20
Power supply - battery charger unit 90-264V/9Vdc 2A for Console-700
Spare part
Weight: 0.27kg.

Art.0064-0116
Lithium-Polymer battery, 3.7V 10Ah, for Console-700
Spare part
Size: 14x6.8x1.2cm. - Weight: 0.22kg.

Art.0430-2250
F1305 radio module board
Spare part
Size: 6x3.3cm. - Weight: 0,01kg.

Art.0430-2220
F1302A connectors board for Console-700
Spare part
Size: 18x3.6cm. - Weight: 0.06kg.

Art.0430-2210
F1301A CPU board for Console-700
Spare part
Size: 13x8.7cm. - Weight: 0.06kg.

Art.308-24
Color touchscreen display, 7, for Console-700
Spare part. The display is supplied assembled with the plastic front.
Size: 24x17x4.5cm. - Weight: 0.4kg.

Spare parts: FIGHT TIMER

Art.150-02
Infrared Remote Control for FIGHT TIMER
Size: 4,9x11x2,2cm. - Weight: 0.17kg.

Art.0430-0360C
FAV.9506B electronic board for the FIGHT-TIMER remote control
Spare part for art.150-02
Size: 5x3,9cm. - Weight: 0.017kg.

Art.R340
Smoke-grey front panel for PLAY6-8, etc.
Spare part
Size: 51x15x2,1cm. - Weight: 0.286kg.

Art.R325
Plastics KIT for the case of PLAY6-8, etc.
Spare part
Size: 56x19x4cm. - Weight: 0.84kg.

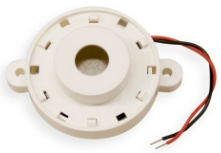
Art.R370
Transformer for Play6-8, etc.
Spare part
Weight: 0.15kg.

Art.0430-1260
FAV.A504 elec. board, digit "8", RED LEDs, H.9cm
Spare part
Size: 10,4x5,4cm. - Weight: 0,015kg.

Art.0430-1300
FAV.A508 elec. board, 2-points, RED LEDs
Spare part
Size: 7,4x1,9cm. - Weight: 0.006kg.

Art.905-02
Plastic handle for gray carrying case, 60x40cm
Spare part
Weight: 0.017kg.

Art.905-04
Set 2hinges + 2fastenings for gray carrying case, 60x40cm
Spare part
Weight: 0.012kg.



Art.0048-0160
Buzzer, 105db-30cm
Spare part
Size: 4.5x6x3cm. - Weight: 0.02kg.

Spare parts: FS-1xx, FS-4xx, FS-24s-x

Art.265-02
Power Supply 8.4A + Horn, for FS scoreboards, with front access
For FS scoreboards sold after 27th October 2012.
Size: with cover 59x19,5x6cm. - Weight: 2.6kg.

Art.265-01
Power Supply 8.4A + Horn, for FS scoreboards, with rear access
For FS scoreboards sold prior to 28th October 2012.
Size: 49x20,5x6cm. - Weight: 2,1kg.

Art.266-02
Serial Cable, 1m long, for FS scoreboards
Weight: 0,03kg.

Art.266-04
Serial Cable, 2m long, for FS scoreboards
Weight: 0,06kg.

Art.266-05
Serial Cable, 3m long, for FS scoreboards

Art.266-07
Serial Cable, 10m long, for FS scoreboards
Weight: 0.25kg.

Art.266-14
Serial Cable, 50m long, for FS, FC and FOS scoreboards
Weight: 1,00kg.

Art.0014-0326
RJ45 (8p8c) 2-WAY Coupler, Female/Female
Size: 4x2,3x1,7cm. - Weight: 0,01kg.

Art.0014-0360
RJ45 (8p8c) 3-WAY Coupler, Female/2Female
Size: 3,5x3x2,5cm. - Weight: 0,02kg.

Art.250
FS-170 Team-Nanes
Size: 200x20x9cm. - Weight: 10kg.

Art.259-04
Power supply unit 90-264V/24Vdc 2.5A for KIT-FS-30s
Spare part
Size: 13x6x3cm + 20m cablecm. - Weight: 2.1kg.

Art.259-20
CABLE 20m for FS-30s with 2 connectors - 4 pos.
Weight: 1kg.

Art.259-40
CABLE 40m for FS-30s with 2 connectors - 4 pos.
Weight: 2kg.

Spare parts: GAME ON, GAME SHOT

Art.R361-4
Infrared remote control for GAME-ON - Tx only
Spare part
Size: 14,4x5,6x2,1cm. - Weight: 0.23kg.

Art.R362-4
TELE-IR GAME-ON membrane keyboard
Spare part
Weight: 0.006kg.

Art.0430-0490
FAV.9702A electronic board for remote control of PLAY-6-6T-8-14-GameOn
Spare part
Size: 8,5x3,9cm. - Weight: 0,025kg.

Art.R304
Membrane Keyboard for GAME-ON - spare part
Weight: 0.019kg.

Art.R305
Membrane Keyboard for GAME-SHOT - spare part
Weight: 0.015kg.

Art.R340
Smoke-grey front panel for PLAY6-8, etc.
Spare part
Size: 51x15x2,1cm. - Weight: 0.286kg.

Art.R325
Plastics KIT for the case of PLAY6-8, etc.
Spare part
Size: 56x19x4cm. - Weight: 0.84kg.

Art.R350
Red-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R352
Green-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R370
Transformer for Play6-8, etc.
Spare part
Weight: 0.15kg.

Spare parts: INOUT Display

Art.290-24
BATTERY CHARGER 100-240V/14.4Vcc 0.5A
Spare part for the following products: INOUT-4-8, WF1, TESTER-A2
Weight: 0.22kg.

Art.290-26
Richargeable battery 12V 2Ah
Spare part for the following products: INOUT-4-8, WF1-RECEIVER
Size: 17.8x6x2.4cm. - Weight: 0,97kg.

Art.298/1
Carrying case for INOUT Display/1
Spare part
Size: 45x40x11cm. - Weight: 1,2kg.

Art.297
BATTERY CHARGER 100-240V/7.2Vdc 300mA for INOUT-Display/1/2
Spare part
Size: 11x5x3.2cm. - Weight: 0.23kg.

Art.R290
Richargeable battery 6V 1.2Ah for INOUT-Display/1/2 and TESTER-A2
Spare part
Weight: 0.314kg.

Spare parts: KIT24s

Art.276
CONSOLE for controlling KIT-24s
Spare part
Size: 20x8x12,5cm. - Weight: 2.1kg.

Art.288-20
CABLE 20m with 2 connectors - 3 pos.
Weight: 1kg.

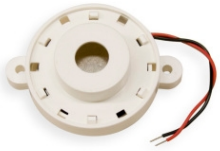
Art.288-30
CABLE 30m with 2 connectors - 3 pos.
Weight: 1.45kg.

Art.288-40
CABLE 40m with 2 connectors - 3 pos.
Weight: 1.9kg.

Art.289-15
CABLE 15m with 3 connectors - 3 pos.
Weight: 0.8kg.

Art.857
Female power connector, without cable
Weight: 0.03kg.

Art.333K
HORN 110db-2m for KIT24s with 15m long cable
Size: 16x22x8cm. - Weight: 2,4kg.



Art.0048-0160
Buzzer, 105db-30cm
Spare part
Size: 4.5x6x3cm. - Weight: 0.02kg.

Spare parts: KPB-5, KPB-10

Art.140-02
IR-REMOTE SCORER infrared remote control for PB-5
Spare part
Size: 14,3x4,8x2,1cm. - Weight: 0.21kg.

Art.140-03
IR-REMOTE SCORER membrane keyboard
Spare part
Weight: 0.004kg.

Spare parts: LCD20, LCD20/B, LCD/BOX

Art.R100
Electronic board for TIMER and LCD20 (battery included)
Spare part
Weight: 0.07kg.

Art.R120
Lithium battery 3.6V for Timer/LCD20 electronic board
Spare part
Weight: 0.018kg.

Art.R130
LOCK 050-code with keys
Spare part
Weight: 0.062kg.

Art.R111
CLUB button for Timer/LCD20 electronic board
Spare part
Weight: 0.002kg.

Art.R110
Small switch (+) (-) for Timer/LCD20 electronic board
Spare part
Weight: 0.001kg.

Art.R125
Transparent LCD-Protector with screws
Spare part
Weight: 0.007kg.

Spare parts: LIGHTS REPEATER

Art.880
DOUBLER of the Data-Line signal
Weight: 0.01kg.

Art.858
Cable for DATA-LINE port, 2.5m long
Weight: 0.04kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

Art.859B
Cable for DATA-LINE port, 60m long
Size: 40x15x5cm. - Weight: 0.9kg.

Art.R350
Red-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R352
Green-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Spare parts: MILLENNIUM REEL

Art.905
BOX-5 transport-case for 2 reels and cables
Size: 60x40x13,5cm. - Weight: 3.0kg.

Art.905-02
Plastic handle for gray carrying case, 60x40cm
Spare part
Weight: 0.017kg.

Art.905-04
Set 2hinges + 2fastenings for gray carrying case, 60x40cm
Spare part
Weight: 0.012kg.

Art.900-C1
CABLE FOR REEL, 20m long
Spare part
Weight: 0.3kg.

Art.907
Cable 20m long with fencer-end socket, for reel
Spare part
Weight: 0.3kg.

Art.906
REEL FENCER-END SOCKET,complete
Weight: 0.05kg.

Art.900C1-M
Reel cable, type 900-C1 (1 meter)
To order one coil of the wished length
Weight: 0.015kg.

Art.900-04
Cable guide for reel
Spare part
Weight: 0.01kg.

Art.900-05
Set of rubber feets for reel (4 pieces)
Spare part
Weight: 0.01kg.

Art.900-03
Reel spring with plastic plate (1 piece)
Spare part
Size: 19x19x2,3cm. - Weight: 0.26kg.

Art.900-02
Set of 3 springs with plastic parts
Spare part
Size: 19x19x4,5cm. - Weight: 0.89kg.

Art.900-13
Braking set
Spare part
Weight: 0.031kg.

Art.900-12
REEL HANDLE with screws
Spare part
Weight: 0.027kg.

Art.900-11
Circuit board for aluminium roller
Spare part
Weight: 0.005kg.

Art.900-10
Reel brass arbor
Spare part
Weight: 0.024kg.

Art.900-16
Plastic ring for the Millenium reel arbor
Spare part
Weight: 0,01kg.

Art.900-09
Three sockets connector on reel-case
Spare part
Weight: 0.017kg.

Art.900-08
Internal aluminium roller
Spare part
Size: 33x33x3,3cm. - Weight: 0.3kg.

Art.900-07
Reel case bottom (of stainless steel)
Spare part
Size: 34x33,6x4cm. - Weight: 1.6kg.

Art.900-06
Reel case cover (of stainless steel)
Spare part
Size: 34x34x4cm. - Weight: 1.7kg.

Art.900-15
Set of screws to fix the reel cover (4 pieces)
Spare part
Weight: 0.01kg.

Art.900-14
Edge plastic protection
Spare part
Weight: 0.002kg.

Spare parts: Micro8, Micro32

Art.R130
LOCK 050-code with keys
Spare part
Weight: 0.062kg.

Art.R131
LOCK 060-code with keys
Spare part
Weight: 0.062kg.

Art.R142
Microswitch 16A
Spare part
Weight: 0.007kg.

Spare parts: PCC-01

Art.R120
Lithium battery 3.6V for Timer/LCD20 electronic board
Spare part
Weight: 0.018kg.

Art.R125
Transparent LCD-Protector with screws
Spare part
Weight: 0.007kg.

Spare parts: PLAY-20V-20C-30V-30C

Art.R361-8
Infrared remote control for Play20V-30V - Tx only
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.R361-9
Infrared remote control for Play20C-30C-40 - Tx only
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.0430-0360B
FAV.9506B electronic board for remote control of Play20-20d-20C-20V-30V-30C-40-Crono-CronoM
Spare part
Size: 5x3,9cm. - Weight: 0.017kg.

Art.346
KEYBOARD for PLAY20V-30V, with cable 1,3m long
Spare part
Size: 15,5x9x1,6cm. - Weight: 0.43kg.

Art.352
KEYBOARD for PLAY20C-30C, with cable 1,3m long
Spare part
Size: 15,5x16,2x1,6cm. - Weight: 0.72kg.

Art.358
CONSOLE DISPLAY 24M
Spare part
Size: 28,3x10x6,8cm. - Weight: 1,33kg.

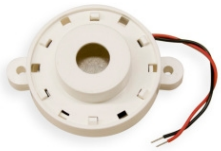
Art.168
Adapter 90-264V/12Vdc 1A, XLR connector
Spare part
Weight: 0.32kg.

Art.358-01
FAV-A510A CPU board with LCD display for Console art.358xx
Spare part
Size: 6,5x4,7x4,8cm. - Weight: 0,12kg.

Art.R320-1
Electronic board FAV.9306B (CPU for PLAY20 etc.)
Spare part
Weight: 0.065kg.

Art.R350
Red-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R352
Green-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.



Art.0048-0160
Buzzer, 105db-30cm
Spare part
Size: 4.5x6x3cm. - Weight: 0.02kg.

Art.333E
EXTERNAL Electromagnetic Horn 110dB-2m
Size: 16x21x8cm. - Weight: 1.7kg.

Spare parts: PLAY14

Art.R361-5
Infrared remote control for PLAY14 - Tx only
Spare part
Size: 14,4x5,6x2,1cm. - Weight: 0.23kg.

Art.R302
Membrane Keyboard for PLAY14 - spare part
Weight: 0.02kg.

Art.0430-0490
FAV.9702A electronic board for remote control of PLAY-6-6T-8-14-GameOn
Spare part
Size: 8,5x3,9cm. - Weight: 0,025kg.

Art.R350
Red-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R352
Green-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Spare parts: PLAY20, PLAY20d

Art.R361-6
Infrared remote control for Play20-20d - Tx only
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.0430-0360B
FAV.9506B electronic board for remote control of Play20-20d-20C-20V-30V-30C-40-Crono-CronoM
Spare part
Size: 5x3,9cm. - Weight: 0.017kg.

Art.324
ADDITIONAL KEYBOARD for PLAY20-20d
With cable 1,3m long.
Size: 15,5x9x1,6cm. - Weight: 0.43kg.

Art.R311
Membrane Keyboard for Play20-20d - spare part
Weight: 0.009kg.

Art.R320-1
Electronic board FAV.9306B (CPU for PLAY20 etc.)
Spare part
Weight: 0.065kg.

Art.328-8
Board for advertisement 85X8cm
Size: 85x8x0,3cm. - Weight: 0.8kg.

Art.328-25
... # Product out of production #.... Board for advertisement 85X25cm
Size: 85x25x0,3cm. - Weight: 2.1kg.

Spare parts: PLAY40

Art.R361-9
Infrared remote control for Play20C-30C-40 - Tx only
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

Art.0430-0360B
FAV.9506B electronic board for remote control of Play20-20d-20C-20V-30V-30C-40-Crono-CronoM
Spare part
Size: 5x3,9cm. - Weight: 0.017kg.

Art.358
CONSOLE DISPLAY 24M
Spare part
Size: 28,3x10x6,8cm. - Weight: 1,33kg.

Art.168
Adapter 90-264V/12Vdc 1A, XLR connector
Spare part
Weight: 0.32kg.

Art.358-01
FAV-A510A CPU board with LCD display for Console art.358xx
Spare part
Size: 6,5x4,7x4,8cm. - Weight: 0,12kg.

Art.355-03
Additional keyboard for Play40
Size: 14x15,5x3,5cm. - Weight: 0.6kg.

Art.355-02
PLAY40 keyboard (without cable)
Spare part
Size: 14x15,5x3,5cm. - Weight: 0.52kg.

Spare parts: PLAY6

Art.R361-1
Infrared remote control for PLAY6 - Tx only
Spare part
Size: 14,4x5,6x2,1cm. - Weight: 0.23kg.

Art.0430-0490
FAV.9702A electronic board for remote control of PLAY-6-6T-8-14-GameOn
Spare part
Size: 8,5x3,9cm. - Weight: 0,025kg.

Art.R300
Membrane Keyboard for PLAY6 - spare part
Weight: 0.02kg.

Art.R340
Smoke-grey front panel for PLAY6-8, etc.
Spare part
Size: 51x15x2,1cm. - Weight: 0.286kg.

Art.R325
Plastics KIT for the case of PLAY6-8, etc.
Spare part
Size: 56x19x4cm. - Weight: 0.84kg.

Art.R350
Red-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R352
Green-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R370
Transformer for Play6-8, etc.
Spare part
Weight: 0.15kg.

Spare parts: PLAY6T

Art.R361-2
Infrared remote control for PLAY6T - Tx only
Spare part
Size: 14,4x5,6x2,1cm. - Weight: 0.23kg.

Art.0430-0490
FAV.9702A electronic board for remote control of PLAY-6-6T-8-14-GameOn
Spare part
Size: 8,5x3,9cm. - Weight: 0,025kg.

Art.R300T
Membrane Keyboard for PLAY6T - spare part
Weight: 0.019kg.

Art.R340
Smoke-grey front panel for PLAY6-8, etc.
Spare part
Size: 51x15x2,1cm. - Weight: 0.286kg.

Art.R325
Plastics KIT for the case of PLAY6-8, etc.
Spare part
Size: 56x19x4cm. - Weight: 0.84kg.

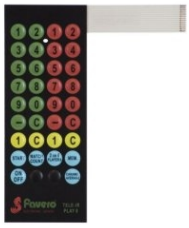
Art.R350
Red-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R352
Green-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R370
Transformer for Play6-8, etc.
Spare part
Weight: 0.15kg.

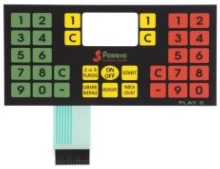
Spare parts: PLAY8

Art.R361-3
Infrared remote control for PLAY8 - Tx only
Spare part
Size: 14,4x5,6x2,1cm. - Weight: 0.23kg.



Art.R362-1
TELE-IR PLAY8 membrane keyboard
Spare part
Weight: 0.006kg.

Art.0430-0490
FAV.9702A electronic board for remote control of PLAY-6-6T-8-14-GameOn
Spare part
Size: 8,5x3,9cm. - Weight: 0,025kg.



Art.R301
Membrane Keyboard for PLAY8 - spare part
Weight: 0.019kg.

Art.R340
Smoke-grey front panel for PLAY6-8, etc.
Spare part
Size: 51x15x2,1cm. - Weight: 0.286kg.

Art.R325
Plastics KIT for the case of PLAY6-8, etc.
Spare part
Size: 56x19x4cm. - Weight: 0.84kg.

Art.R350
Red-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R352
Green-diffused LED , ø5mm (10 pieces pack.)
Spare part
Weight: 0.003kg.

Art.R370
Transformer for Play6-8, etc.
Spare part
Weight: 0.15kg.

Spare parts: PRINTER

Art.712
Ribbon Cartridge for printer IDP-460 (old model)
Spare part
Weight: 0.04kg.

Art.711
Ribbon Cartridge for printer IDP-562 (old model)
Spare part
Weight: 0.04kg.

Art.R722
Paper roll for CT-S280 thermal printer
Spare part.
Weight: 0.11kg.

Art.R721
Paper roll for IDP-460 printer (old model)
Spare part. Paper width: 76mm
Weight: 0.166kg.

Art.R720
Paper roll for IDP-562 printer (old model)
Spare part. Paper width: 70mm
Weight: 0.157kg.

Art.714-2
TTL/RS232 Interface for CT-S280
Weight: 0,06kg.

Spare parts: PS-M, PS-K, PS-J, PS-T

Art.168
Adapter 90-264V/12Vdc 1A, XLR connector
Spare part
Weight: 0.32kg.

Art.167
Transport case (60x40cm)
Size: 60x40x13.5cm. - Weight: 2.5kg.

Art.0430-1266
FAV.A504 elec. board, digit 1, RED LEDs, H.9cm
Spare part
Size: 10,4x5,4cm. - Weight: 0,014kg.

Art.0430-1260
FAV.A504 elec. board, digit "8", RED LEDs, H.9cm
Spare part
Size: 10,4x5,4cm. - Weight: 0,015kg.

Art.0430-1262
FAV.A504 elec. board, digit 8, YELLOW LEDs, H.9cm
Spare part
Size: 10,4x5,4cm. - Weight: 0,015kg.

Art.0430-1264
FAV.A504 elec. board, digit "8", GREEN LEDs, H.9cm
Spare part
Size: 10,4x5,4cm. - Weight: 0,015kg.

Art.0430-1300
FAV.A508 elec. board, 2-points, RED LEDs
Spare part
Size: 7,4x1,9cm. - Weight: 0.006kg.

Art.0430-1302
FAV.A508 elec. board, 2-points, YELLOW LEDs
Spare part
Size: 7,4x1,9cm. - Weight: 0.006kg.

Art.0430-1292
FAV.A507 CPU electronic board for PS-x
Spare part
Size: 17x5,2cm. - Weight: 0,072kg.

Art.0381-4100
LCD Display for PS-x, 2x20 characters
Weight: 0.06kg.

Art.858
Cable for DATA-LINE port, 2.5m long
Weight: 0.04kg.

Art.859
Cable for DATA-LINE port, 15m long
Weight: 0.2kg.

Art.859A
Cable for DATA-LINE port, 30m long
Weight: 0.45kg.

Art.859B
Cable for DATA-LINE port, 60m long
Size: 40x15x5cm. - Weight: 0.9kg.

Art.358-01
FAV-A510A CPU board with LCD display for Console art.358xx
Spare part
Size: 6,5x4,7x4,8cm. - Weight: 0,12kg.

Art.0048-0160
Buzzer, 105db-30cm
Spare part
Size: 4.5x6x3cm. - Weight: 0.02kg.

Art.333-PSX
HORN 110db-2m for PS-X with 15m long cable
Size: 16x22x8cm. - Weight: 2.4kg.

Spare parts: TERMODELTA

Art.R600
THERMOSTAT PROBE for slate
Spare part
Weight: 0.017kg.

Art.R601
THERMOSTAT PROBE for ambient temperature
Spare part
Weight: 0.002kg.

Art.R602
Transformer for TERMODELTA
Spare part
Weight: 0.115kg.

Art.R732
RELAY for CONTROL-LAMP and Termodelta
Spare part
Weight: 0.017kg.

Spare parts: TIMER-3B, 4B, 9B, 16B, etc.

Art.603/CA
TRAY for Carambole (3x 61.5-63.2mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.603/IT
TRAY for Italiana Game (2x68 + 1x59mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.604
TRAY for 4 balls (4x61.5mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.609/IN
TRAY for 9 balls (9x61.5mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.609/NA
TRAY for 9 balls (8x59 + 1x54mm)
Size: 21x21x3,6cm. - Weight: 0.14kg.

Art.616
TRAY for Pool
Size: 25x25x3,6cm. - Weight: 0.2kg.

Art.616/B
TRAY for Russian Pyramid (16x68mm)
Size: 30,5x30,5x3,6cm. - Weight: 0.31kg.

Art.622
TRAY for Snooker
Size: 31x31x4cm. - Weight: 0.28kg.

Art.602
TRAY for PING-PONG
Size: 25x25x5cm. - Weight: 0.205kg.

Art.R100
Electronic board for TIMER and LCD20 (battery included)
Spare part
Weight: 0.07kg.

Art.R120
Lithium battery 3.6V for Timer/LCD20 electronic board
Spare part
Weight: 0.018kg.

Art.R111
CLUB button for Timer/LCD20 electronic board
Spare part
Weight: 0.002kg.

Art.R110
Small switch (+) (-) for Timer/LCD20 electronic board
Spare part
Weight: 0.001kg.

Art.R125
Transparent LCD-Protector with screws
Spare part
Weight: 0.007kg.

Art.R126
Ball presence detector for TIMER (10 pieces)
Spare part
Weight: 0.062kg.

Art.R130
LOCK 050-code with keys
Spare part
Weight: 0.062kg.

Art.R131
LOCK 060-code with keys
Spare part
Weight: 0.062kg.

Art.R140
KIT for LAMP CONTROL, for TIMER
Weight: 0.19kg.

Art.R160
KIT for RESTART function, for TIMER
Weight: 0.02kg.

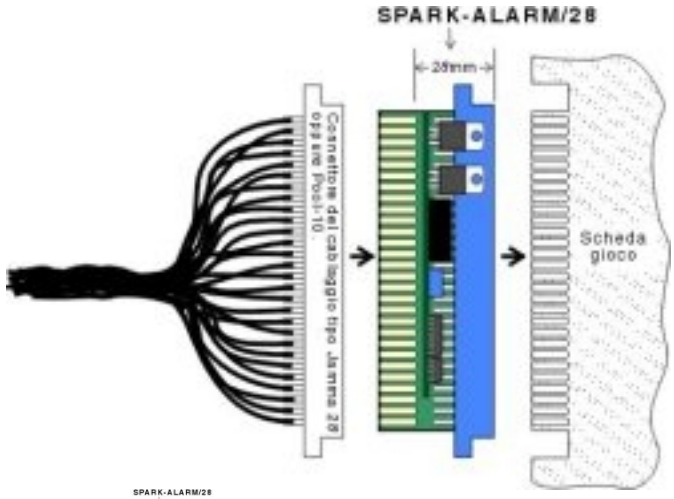
Art.R142
Microswitch 16A
Spare part
Weight: 0.007kg.

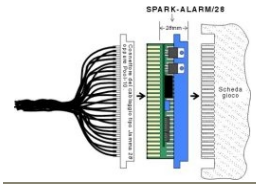
Art.R144
Microswitch with golden contacts for TIMER
Spare part
Weight: 0.007kg.

SPARK-ALARM/28 (Art.9913)

This page is only available in Italian. Here follows the Italian version.

Viene **direttamente inserito** sul connettore 28+28pin del cablaggio tipo **Jamma o Pool10** prolungando lo stesso di soli 28mm. Lo SPARK-ALARM/28 non solo ha il vantaggio di una pratica e veloce installazione, ma anche quello di una migliore intercettazione dei disturbi provocati dalle scariche. Infatti la sua posizione, prima della scheda gioco, gli permette di individuare i disturbi provenienti dalle varie parti del gioco stesso (plancia, gettoniera, ticket-dispenser, monitor, ecc..).





Art.9913
SPARK-ALARM/28

FUNZIONAMENTO

Lo SPARK-ALARM/28 riconosce il disturbo generato da una scarica elettrica sui circuiti, ed interviene interrompendo immediatamente **i 5V di alimentazione della scheda gioco**, assicurando una velocità tipica di intervento di 8µs (vedi Nota1).
Lo spegnimento ha una durata di 5 secondi e viene segnalato anche da un segnale acustico intermittente.
Oltre al controllo dei disturbi provocati dalle scariche elettriche, lo SPARK-ALARM/28 possiede anche un'altra importante funzione denominata "ritardo accensione", che risulta molto utile per evitare i problemi dovuti a consecutivi e rapidi spegnimenti/accensioni del gioco. Tale ritardo, di 5 secondi, viene anche segnalato con una lenta intermittenza di suono.
Nota1: l'unica scheda gioco attualmente in commercio che non utilizza i 5V di alimentazione (ma solo i 12V) è la Roulette-La-Fiche. Questa scheda necessita di una semplice modifica per poter essere protetta dallo SPARK-ALARM/28.

INSTALLAZIONE

Inserire semplicemente lo SPARK-ALARM/28 sul connettore del cablaggio tipo Pool-10 oppure Jamma, facendo attenzione a rispettare il lato componenti.
Se la scheda gioco ha uno schedino di adattamento al cablaggio, esso rimane inserito sulla scheda gioco. Vi sarà perciò la successione: scheda gioco, schedino di adattamento al cablaggio tipo Jamma o Pool-10, SPARK-ALARM/28 e connettore del cablaggio.

SENSIBILITÁ

La sensibilità alle scariche di un gioco dipende da molti fattori (disposizione del cablaggio, masse, tipo di scheda gioco, ecc.), ed è per questo che lo SPARK-ALARM/28 possiede la regolazione sensibilità "SENS.".

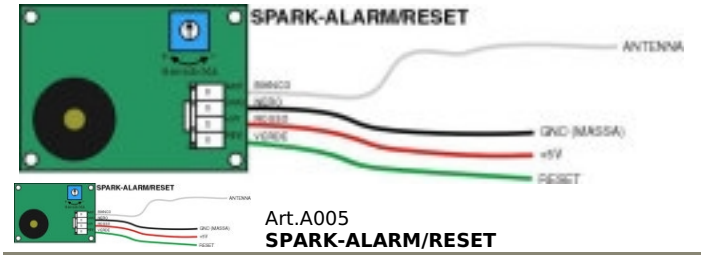
DATI TECNICI

- Alimentazione: 12V 70mA, 5V 10mA (minimo 4,8V).
- Corrente di interruzione sui 5V: 7A max (Consumo massimo della scheda gioco).
- Tempo di intervento tipico: 8µs.

SPARK-ALARM/RESET (Art.A005)

This page is only available in Italian. Here follows the Italian version.

E' la versione da utilizzare per proteggere i giochi non standard, come ad esempio quelli da banco.



Art.A005
SPARK-ALARM/RESET

FUNZIONAMENTO

Lo SPARK-ALARM/RESET riconosce il disturbo generato da una scarica elettrica sui circuiti, ed interviene sul segnale di Reset della scheda gioco, arrestando così immediatamente il funzionamento della stessa. Il tempo tipico di intervento è di 8µs.
L'arresto ha una durata di 5 secondi e viene segnalato anche da un segnale acustico intermittente.
Oltre al controllo dei disturbi provocati dalle scariche elettriche, lo SPARK-ALARM/RESET possiede anche un'altra importante funzione denominata "ritardo accensione", che risulta molto utile per evitare i problemi dovuti a consecutivi e rapidi spegnimenti/accensioni del gioco. Tale ritardo, di 5 secondi, viene anche segnalato con una lenta intermittenza di suono.

INSTALLAZIONE

Si consiglia di fissare lo schedino SPARK-ALARM/RESET sulla scheda del gioco, poichè è necessario eseguire sulla stessa la saldatura di 3 fili che devono essere collegati rispettivamente a GND (massa), +5V e al segnale di Reset.
Lo SPARK-ALARM/RESET viene fornito con un filo d'antenna lungo 50cm che può comunque essere allungato nel caso sia neccessario ottenere una maggiore sensibilità.
Il filo d'antenna dovrebbe passare vicino alle zone sensibili alle scariche oppure attorcigliato lungo i fili del cablaggio che arriva alla scheda gioco.

SENSIBILITÁ

La sensibilità alle scariche di un gioco dipende da molti fattori (disposizione del cablaggio, masse, tipo di scheda gioco, ecc.), ed è per questo che lo SPARK-ALARM/RESET possiede la regolazione sensibilità "SENS.".

Funzione "ANTIDISTURBO SALTUARIO"

Sullo SPARK-ALARM/RESET è possibile abilitare la funzione Antidisturbo-Saltuario, ponticellando, con l'uso di un saldatore, il punto indicato con J1 sullo schedino SPARK-ALARM/RESET.
Tale funzione evita lo spegnimento del gioco se avviene una saltuaria scarica elettrostatica (simile a quella che spesso si prova scendendo dall'auto) oppure un elevato disturbo di rete.
Se la funzione Antidisturbo-Saltuario è abilitata (ponticello chiuso), lo spegnimento del gioco avviene solo se la scarica (o il forte disturbo di rete) succede entro un minuto dalla scarica precedente, altrimenti la scarica provoca solamente la segnalazione sonora.

DATI TECNICI

- Alimentazione: 5V 10mA (minimo 4,8V).
- Tempo di intervento tipico: 8µs.
- Segnale di Reset: uscita con transistor NPN a collettore aperto. Il livello di uscita è a zero nella situazione di allarme.
- Dimensioni: 5,4 x 4cm.

INOUT Display /2 (Art.292)

Substitute Board - Visualiser of numbers of players entering and exiting as substitutes in football (soccer) game.

Displays the two numbers simultaneously

Art.298/2
Carrying case for INOUT Display/2
Spare part
Size: 92x34x8cm. - Weight: 0,7kg.

Art.292
Substitute Boards, INOUT Display/2
It is included the carrying case and the battery charger.
Size: 92x32x8cm. - Weight: 5.7kg.

- The electronic display provides a image of modernity as well as being more practical in its use than the traditional cards. Its luminosity attracts attention and is therefore useful for sponsor advertising.
- **There are 2 models available.**
  The INOUT DISPLAY/2 visualizes the two numbers simultaneously.
  The INOUT DISPLAY/1 visualizes one number at a time. The two numbers, ingoing and outgoing, are however previously registered and then respectively visualised with the IN and OUT buttons.
- **The number is visualised in:**
  RED FLASHING for the ingoing player
  RED FIXED for the outgoing player
- The INOUT DISPLAY is also useful for indicating the **time added on** for stoppages.
- The numbers are **28cm** high. They are capable of visualising figures from 0 to 99. They are formed with high efficiency leds that are clearly visible even in bright sunlight.
- An appropriate electronic control keeps the **luminosity** of the numbers constant as long as the battery still has some life.
- Two convenient **handles**, placed on the rear part, render the display easy to be lifted and carried.
- A strong **membrane keyboard**, with reaction to touch, is situated between the two handles, this permits easy and convenient control of the visualiser.
- **Internal rechargeable lead battery**: 6V 1.2A. When the battery is fully charged, about 30 visualisations of one minute's duration can be carried out. **Its average life is 5 years**. It is easy to remove and substitute.
- Special attention has been paid to the maintenance of the efficiency of the battery. The equipment **turns itself off automatically** after a certain period of time during which no key has been pressed. However the battery is subject to its own auto-discharge, it is therefore necessary to re-charge it, at least every 9 months, even if it has not been in use.
- The **BATTERY CHECK** button allows a check of the charge level of the battery, indicating a value of 0 (flat) to 5 (fully charged).
- Guarantee of **2 years**.
- **Dimensions** and **weight**, with carrying case and battery charger included: 92 x 32 x 8cm - 5.5kg

The **INOUT DISPLA**Y is equipped with:

- **Carrying case** for transport.
- **Battery charger.** The standard version is with 230V input. 115V is available on request.
- **Advertising panel** for the sponsor. In the event of there being more than one sponsor, there is a very fast panel change. The dimensions of the advertising space vary according to the model, and are: 80 x 14cm facial part, 80 x 29cm rear part.

TERMODELTA Electronic thermostat for billiard

Art. 650A ... TERMODELTA black, 230V.
Art. 650B ... TERMODELTA black, 115V.
Art. 651A ... TERMODELTA wood-look, 230V.
Art. 651B ... TERMODELTA wood-look, 115V.

It allows to choose between two operation modes: the first, more traditional one, keeps the billiard table at the programmed temperature; the second, more innovative one, brings it to a temperature higher than room temperature by a constant and programmable value. This latter mode ensures top performance with minimum thermal stress of the billiard table.
It also features the LOW POWER function, to keep the billiard table warm at night with minimum energy consumption. This avoids humidity deposits and permits to reach the pre-set temperature quickly the next morning.

Art.650
TERMODELTA black. Thermostat for billiard
Size: 16x6x6,5cm. - Weight: 0.4kg.

Art.651
TERMODELTA wood-look. Thermostat for billiard
Size: 16x6x6,5cm. - Weight: 0.4kg.

Technical Data:

- Sturdy, completely insulated plastic container which does not need earthing.
- Simple design which adapts to all types of billiard. It is available in black (Art.650) or wood look (Art.651).
- Secret settings to avoid tampering by players.
- Power connection: 230Vca (Art.650A, Art.651A) or 115Vca (Art.650B, Art.651B), 5VA.
- Power of the connectable resistor: 2200W at 230Vca, 1150W at 115Vca.
- Dimensions: 16 x 6 x 6.5 cm. Weight: 0.4 kg.

TESTER-A1 (Art.898-1)

Tester for the electric control of the three weapons and various cables. It comprises an innovative circuit for signalling micro-interruptions of connections.

Main features:

- It has 4 lights: a green one, a red one and two yellow ones. The green and the red light indicate if the circuits are correct.
  The two yellow ones go on for approximately 1 second at each interruption of the relevant circuit and are therefore useful to show micro-breaks.
- Power supply: 12V battery included (common radio controls battery A23 or VR22 type).
- Sturdy case of extremely small dimensions: 3.8 x 5.5 x 2.9cm.
  Its small dimensions make it pocket-size. It can be used as a key-ring.

Art.898-1
TESTER-A1 for weapons and body cords test
The battery is included
Size: 3,8x5,5x2,9cm. - Weight: 0.07kg.

Art.876
12V alkaline BATTERY (A23, VR22 type)
Spare part
Weight: 0.01kg.

TESTER-A2 (Art.899-02)

Professional fencing tester, for testing:
- **epees, foils, sabres**
- **bodycords** (also with English bayonet plug)
- **reels, cable masks, floor cables**
- **complete weapon circuits** (including weapon, reel and cables)
- **conductive jackets and material** (via the proper optional weight art. 899-11)

Features

• **Easy use for quick checking**: automatic control of values measured against FIE approved ones or against those set by the user. The positive or negative outcome of the test is indicated by green or red LEDs respectively, and by an acoustic signal.

• **Professional use for fencing technicians**: the wide range of information shown on the display allows checking the equipment or the cause of malfunction easily.

• **Simultaneous checking of all resistance values** among the various conductors**,** much like when checking signalling apparatus but with greater precision and resolution. Between 0 and 20Ω, the resolution is 0,1Ω.

• **Quick and accurate measuring of resistance values:** common multimeters are not suitable measuring contact resistances as they use voltage and current values that are too low**.**

• **Signals micro-breaks of the circuits** which common testers are unable to detect. Signaling occurs by way of red LEDs and an acoustic signal.

• **Selection 4 modes of display:**

--**Numerical values** (photo): for a complete and professional check.
--**Analog bar** (photo): for display of rapid resistance variations.
--**Time-graphic** (photo): displays the variation in resistance time.
--**Hit-graphic** (photo): memorizes and displays the behavior of the resistance of the tip contact during a hit.

• **Tester probe provided for checking weapon parts** (guard, blade, etc.).

• **Easy fastening to table** via provided clamp. It allows the connectors to be inserted/extracted without having to hold the device tightly by hand.

• **Internal USB port** for future software updates.

• **Internal rechargeable battery**: circa 10 hour duration, display of level; automatic switch off after 15 minutes of inactivity.

• Power supply 100-240V provided. Supplies power to the device while also recharging the battery.

• Size and weight: width 21cm, height 12cm, depth 14cm. Weight 2,4kg.

Articles provided, included with the Tester-A2 (art.899-02)

• **Art.290-24 Battery charger 100-240V/14.4Vcc**

• **Art.R290 Rechargeable battery 6V 1,2Ah (there are 2 batteries in the tester).**

• **Art.868 Clamps for fastening to table.**

• **Banana plug pin to crocodile tip connection.**

Optional articles (not included)

• **Art.899-11 Weight 500g for Tester-A2 (checks conductive material).** Photo1 , Photo2 . Made in stainless steel to avoid oxidation. The green and red LEDs on the weight indicate, respectively, good conductance or else micro-breaks in the conductive material.

• **Art.899-20 Carrying case forTester-A2**. Convenient carrying case for holding the Tester-A2 and all its accessories and cables.

• **Art.899-24 Kit containing 2 test bodycords for Tester-A2**. Includes an epee bodycord and foil/sabre bodycord with 2-pins plug.

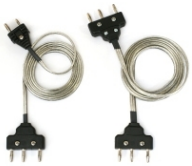
Art.899-02
TESTER-A2 professional tester for fencing
Size: 21,0x12,0x14,0cm. - Weight: 2,5kg.

Art.899-11
Weight 500g for checking conductive material via the TESTER-A2
Weight: 0,6kg.

Art.899-16
+OPTION: Socket for Italian bayonet plug on Tester-A2

This article should be added when ordering Tester-A2 so as to facilitate production assembly.

Art.899-20
Carrying case for Tester-A2
Size: 34x28x16,5cm. - Weight: 1,0kg.



Art.899-24
Kit containing 2 test bodycords for Tester-A2
Weight: 0,2kg.

Art.R290
Richargeable battery 6V 1.2Ah for INOUT-Display/1/2 and TESTER-A2
Spare part
Weight: 0.314kg.

Art.290-24
BATTERY CHARGER 100-240V/14.4Vcc 0.5A
Spare part for the following products: INOUT-4-8, WF1, TESTER-A2
Weight: 0.22kg.

Length 1.3m. The bodycord wires are soldered to the connectors for guaranteed reliability over time and a resistance inferior to 0.2 ohm.

• **Art.899-16 +OPTION: Socket for Italian bayonet plug on Tester-A2.** This article should be added when ordering Tester-A2 so as to facilitate production assembly.

YouTube videos:
- **EPEE test**
- **FOIL test**
- **SABRE test**
- **BODYCORDS test**
- **JACKET test**

Art.868
Clamp for fastening the table stand
Size: 20x8,5x2cm. - Weight: 0.3kg.

TIME-OUT Signaller (art.254)

Acoustic buzzer and light signaller for requesting Time-Out in volley-ball.

- Built-in operation button.
- A remote control button can be connected via the proper connector.
- Light signaller with bright LEDs. Once operation begins, the light blinks for 18 seconds. The length of time can easily be regulated from 5 to 90 seconds.
- Acoustic signaling via two buzzers (sound intensity of 105db/30cm each). The buzzer sound lasts 1.5 seconds or as long as the operation button is held down.
- Handle for easy manual lifting and display of signaller. The handle can be easily removed if you wish to secure the signaller to a fixed support.
- Power supply: via 2 common, readily available, alkaline 6LR61 9V batteries (included). Battery life is approximately 1,600 operations (several years): hence, there is no need to worry about recharging or procuring an electrical power supply. When a battery is low the brightness of the signaller will gradually decrease, allowing enough time for adequate battery replacement.
- Size and weight (includes handle): 25 x 7 x 7cm. , 0.45kg.

Art.254
TIME-OUT Signaller with handle for manual lifting
Size: 27x7x7cm. - Weight: 0,45kg.

TIMER 3..22B

The ideal solution for the management of all billiards games operating at an hourly rate

- **For all specialities** (from 3 to 22 balls + Ping-Pong).
- **Battery powered only** (lasting 8-12 years).
- **For all countries** (programmable monetary unit).
- **100% ball control** (on a removable tray).

Art.503 - **TIMER-3B for Carom** (3 balls Ø61.5-63.2mm)
Art.503A - **TIMER-3B for Italiana** (2 x Ø68 + 1 x Ø59mm)
Art.504 - **TIMER-4B for 4 balls** (4 x Ø61.5mm)
Art.509 - **TIMER-9B for 9 balls** (9 x Ø61.5mm)
Art.509A - **TIMER-9B for 9 balls** (8 x Ø59 + 1 x Ø54mm)
Art.516 - **TIMER-16B for Pool** (16 x Ø57mm)
Art.516A - **TIMER-16B-52 for English Pool** (16 x Ø50-52mm)
Art.516B - **TIMER-16B-68 for Russian Pyramid** (16 x Ø68-69mm)
Art.522 - **TIMER-22B for Snooker** (22 x Ø52-54mm)
Art.502 - **TIMER-Ping-Pong** for controlling 2 bats and one little ball

FEATURES

- This billiard timer does not require an electrical power supply, thus eliminating the problems of an overload on the line or a sudden blackout. As a result, it may be set up practically anywhere one chooses. An internal lithium battery keeps the appliance on all the time for at least 8 years (average 10 years). The battery can be found in electronics shops.
- Suitable for all countries because the value of each unit can be programmed (monetary unit); it can be: 0.05 0.10 0.20 0.50 1 2 5 10 20 50 100.
- Two hourly rates which may be programmed from 10 to 500 clicks per hour. The second tariff may be employed for peak hours or for CLUB members. The choice of the rate is then made by pressing the TARIFF button.
- A start-play (or game-opening) charge which may be programmed from 0 to 15 units in the event that one wishes to have a set start-play charge in addition to the hourly rate.
- A register totalling 99,999 units.
- In order to prevent unwanted tampering, programming, zeroing of the totalizer and accessing the internal parts of the appliance, these operations can be carried out only using the INSTALLATION key.
- When the START PLAY key is turned, the front door opens and the count begins, as shown on the display terminal.
- The balls are stored in an easily removable practical plastic tray which can be carried to the billiard table. The time count stops only when the tray is inserted with ALL the balls and the door is closed.
- Sturdy metal container. The ball control mechanism is mechanical and of simple construction (patented). Just one micro-switch is used.
- The simplicity and compactness of the electronics (10.5 x 6 cm: it fits in the palm of your hand), its isolation from the mains and its "zero" consumption make it very reliable throughout time (an annual breakage percentage lower than 3/1000).

OPTIONS (selectable during purchase)

LAMP CONTROL. It offers automatic lighting of the lampshade when the timer is counting and increases safety against cheating.

START FROM OPEN. Allows the time count to restart even if the door is open (by turning the START PLAY key). This is for changing players without having to replace the tray with all the balls.

HOURLY BANDS. Useful for taking advantage of peak hours, both daily and weekly. Three hourly rates can be programmed and they may alternate automatically on programmable hourly periods.

Art.503
TIMER-3B for Carom billiards (3x 61.5-63.2mm)
Size: 21,5x22x19cm. - Weight: 5.1kg.

Art.503A
TIMER-3B/A for Italiana game (2x68 + 1x59mm)
Size: 21,5x22x19cm. - Weight: 5.1kg.

Art.504
TIMER-4B for 4 balls (4x61,5mm)
Size: 21,5x22x19cm. - Weight: 5.1kg.

Art.509
TIMER-9B for 9 balls (9x61.5mm)
Size: 21,5x22x19cm. - Weight: 5.1kg.

Art.509A
TIMER-9B/A for 9 balls (8x59 + 1x54mm)
Size: 21,5x22x19cm. - Weight: 5.1kg.

Art.516
TIMER-16B for Pool (16x57mm)
Size: 26x26x19cm. - Weight: 6.5kg.

Art.516A
TIMER-16B/52 for English Pool (16x50-52mm)
Size: 26x26x19cm. - Weight: 6.63kg.

Art.516B
TIMER-16B/68 for Russian Pyramid (16x68mm)
Size: 32x32,5x19,5cm. - Weight: 9kg.

Art.522
TIMER-22B for Snooker (22x52-54mm)
Size: 32x32,5x19cm. - Weight: 8.93kg.

Art.502
TIMER PING-PONG
Size: 26x26x19cm. - Weight: 6.5kg.

Art.446
THICKNESS 6mm for Pool balls ø50-52mm
Size: 23,2x20x0,6cm. - Weight: 0.13kg.

TIMER Ping-Pong (Art.502)

Resolution for all Ping-Pong tables operating at an hourly rate.

Feature:

- **Battery powered only** (lasting 8-12 years).
- **Programmable monetary unit** for all countries.
- **100% bats and ball control** (on a removable tray).

Art.502
TIMER PING-PONG
Size: 26x26x19cm. - Weight: 6.5kg.

- It does not require an electrical power supply, thus eliminating the problems of an overload on the line or a sudden blackout. As a result, it may be set up practically anywhere one chooses. An internal lithium battery keeps the appliance on all the time for at least 8 years (average 10 years). The battery can be found in electronics shops.
- Suitable for all countries because the value of each unit can be programmed (monetary unit); it can be: 0.05 0.10 0.20 0.50 1 2 5 10 20 50 100.
- Two hourly rates which may be programmed from 10 to 500 clicks per hour. The second tariff may be employed for peak hours or for CLUB members. The choice of the rate is then made by pressing the TARIFF button.
- A start-play (or game-opening) charge which may be programmed from 0 to 15 units in the event that one wishes to have a set start-play charge in addition to the hourly rate.
- A register totalling 99,999 units.
- In order to prevent unwanted tampering, programming, zeroing of the totalizer and accessing the internal parts of the appliance, these operations can be carried out only using the INSTALLATION key.
- When the START PLAY key is turned, the front door opens and the count begins, as shown on the display terminal.
- The balls are stored in an easily removable practical plastic tray which can be carried to the billiard table. The time count stops only when the tray is inserted with ALL the balls and the door is closed.
- Sturdy metal container. The ball control mechanism is mechanical and of simple construction (patented). Just one micro-switch is used.
- The simplicity and compactness of the electronics (10.5 x 6 cm: it fits in the palm of your hand), its isolation from the mains and its "zero" consumption make it very reliable throughout time (an annual breakage percentage lower than 3/1000).
- Measurements and Weight: Width 26 cm, Height 19 cm, Depth 26 cm, Weight 6.5 Kg.
- Power supply: Lithium battery 3,6V 2A/h (included). Lifespan: 8 years minimum.

Options:

- **LAMP CONTROL**. It offers automatic lighting of the lampshade when the timer is counting and increases safety against cheating.
- **START FROM OPEN**. Allows the time count to restart even if the door is open (by turning the START PLAY key). This is for changing players without having to replace the tray with all the balls.
- **HOURLY BANDS**. Useful for taking advantage of peak hours, both daily and weekly. Three hourly rates can be programmed and they may alternate automatically on programmable hourly periods.

3-PIN PLUG

(Art.910)

3-Pin Plug complete for body cords and floor cables

Art.910
3-Pin Plug for floor and body cord
Weight: 0.021kg.

Art.910-1
PLUG PIN diam. 4mm
Spare part
Weight: 0.003kg.

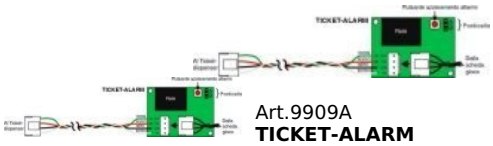
Art.910-2
Plastic parts for 3-Pin Plug
Spare part
Weight: 0.009kg.

Art.910-3
Set of screws for 3-Pin Plug
Spare part
Weight: 0.003kg.

TICKET-ALARM (Art.9909)

Inspector of tamperings and breakdowns of the Ticket-dispenser

This page is in Italian only; here follows the Italian version.



Art.9909A
TICKET-ALARM

CARATTERISTICHE

Un semplice ed innovativo sistema che controlla, oltre ai segnali, anche la corrente assorbita dal Ticket-dispenser, permette di evitare che vari tipi di manomissione o guasti provochino la fuoriuscita di tickets non dovuti.

Quando si verifica un'anomalia, viene immediatamente tolta l'alimentazione al Ticket-dispenser ed un segnale acustico comunica lo stato di allarme per 2 minuti. Se la macchina viene spenta durante l'allarme, alla sua riaccensione il segnale acustico riprende nuovamente per 2 minuti assicurando così la segnalazione dell'eventuale manomissione.
Dopo i 2 minuti di allarme la macchina riprende a funzionare regolarmente, evitando così l'obbligo dell'intervento da parte dell'operatore. L'allarme viene però memorizzato e viene segnalato ad ogni accensione della macchina con un breve suono intermittente. Se sono avvenuti più allarmi si udiranno più segnali in successione, uno ogni secondo per un massimo di 15. L'operatore quindi, accendendo la macchina, può assicurarsi quante anomalie sono avvenute al Ticket-dispenser.
Premendo il pulsantino situato sul TICKET-ALARM vengono azzerati lo stato di allarme e il numero di allarmi in memoria.

Il TICKET-ALARM interviene in molte situazioni dannose, fra le quali:

- Tentativo di oscuramento della fotocellula da parte di truffatori.
- Anomalia o guasto della scheda gioco che provoca l'uscita continua di ticket a causa del blocco dei segnali di comando al Ticket-dispenser.
- Guasto della fotocellula del Ticket-dispenser.
- Guasti sui circuiti del Ticket-dispenser che provocano l'azionamento continuo del motore ticket.
- Manomissioni dovute a truffatori che, forando la macchina in prossimità del Ticket-dispenser, vanno a premere il pulsantino di azionamento motore ticket o a manomettere l'elettronica del Ticket-dispenser con oggetti metallici per ottenere la fuoriuscita di tickets.

Affinchè l'operatore possa azionare il pulsantino sul Ticket-dispenser (per caricare o scaricare tickets) senza che avvenga l'allarme, egli deve tener premuto anche il pulsantino sul TICKET-ALARM (per azzeramento allarmi) oppure premere solamente per brevi intervalli il pulsante sul Ticket-dispenser.
La segnalazione di allarme avviene anche quando vengono terminati i tickets.

L'installazione del TICKET-ALARM è semplice ed immediata:

- Staccare il connettore che va al Ticket-dispenser ed inserirlo sul TICKET-ALARM.
- Collegare il cavo di uscita del TICKET-ALARM al Ticket-dispenser.

Il TICKET-ALARM viene fornito predisposto per i giochi che erogano un ticket alla volta o anche più ticket consecutivi ma intervallati tra loro da una piccola sosta nel movimento di fuoriuscita. Nel caso fosse utilizzato un gioco che eroga più tickets consecutivi senza sosta del movimento di fuoriuscita, si deve spostare il ponticello dalla posizione A alla posizione B.
Essendo il TICKET-ALARM di semplice installazione e di costo molto contenuto, risulta utile e conveniente la sua installazione anche su recenti modelli di Ticket-dispensers che, pur presentando migliori controlli rispetto al passato, non incorporano tutte le sicurezze e le segnalazioni del TICKET-ALARM.

DATI TECNICI

- Alimentazione: 12Vdc ±10%, 50mA
- Corrente di soglia motore ON/OFF: 110mA ±10mA
- Tempo intervento per anomalia: 530ms ±30ms

Ticket Dispenser EXCLUDER

(Art.9909-2)

This page is in Italian only; here follows the Italian version.

CARATTERISTICHE

Questo schedino è indirizzato ai giochi per i quali non è possibile escludere il ticket dispenser tramite la programmazione.

Risulta di **INSTALLAZIONE IMMEDIATA** in quanto è sufficiente staccare il connettore dal ticket dispenser e inserirlo sullo schedino.

Art.9909-2
ELIMINATOR of the TICKET DISPENSER

Time-Console-03 art-232-03

Additional console for managing the chronometer or the shot clock. To be used together with Console-700 or Console-300.

Specifications

• Useful for the timekeeper or the 24/14/30 second shot clock operator; to be used together with Console-700 or Console-300.
Each operator needs a console:

• Provided with 3 handy small control levers to operate the chronometer or the 24/14/30 second shot clock.

• 2m cable for the connection to Console-700 or Console-300.

•Guarantee: 2 years. (info)

• Dimensions: 12x8.2x2.5cm.

• Weight: 0.32kg.

ACCESSORIES

Additional accessories, to be bought separately, necessary for product operation.

Time-Console-03 is to be used connected to one of the following consoles:
Art.308-01 Console-700
Console with 7" color touchscreen display. Wireless or wired communication.
Art.307-01 Console-300
Console with 20x2 LCD display and membrane keyboard. Wired communication.

Art.232-03
Time-Console-03, additional console for chronometer and 24/14/30 second shot clock
Size: 12x8.2x2.5cm. - Weight: 0.32kg.

CRONO (Art.330)

Timer for displaying the time of sport matches or competitions.

- Display: **HOURS, MINUTES** and **SECONDS**. The timer is programmable up to 19 hours, 59 minutes, 00 seconds.
- Height of digits: 20cm, legible up to a distance of 50m.
- **Audio warning signals** the end of the set time, easily heard even at a distance.
- Possibility of **counting** either **forward** or **backward**.
- The red colour for the hours and minutes and green for the seconds makes the display both easier to read and more attractive.
- **Sturdy membrane keyboard** featuring oversize keys controls switching on the chronometer, programming the count time, and the Start and Stop functions.
  The keyboard is already connected to a 30m cable. To lengthen the cable, you need only a simple cable with two wires. It is possible to connect several keyboards if it is necessary to control the chronometer from more than one position.
- Attractive **metal casing**. Very easy to install; just plug it in and it is ready to operate.
- **Power supply**: 230Vac, 50-60Hz, 50VA.
  By request, also in the 115Vac version.
- **Dimensions**:
  - CRONO: 118 x 38 x 11cm - 13.7kg.
  - Keyboard: 15.5 x 9 x 1.5cm - 0.4kg.

Art.330
CRONO Timer display 19h 59' 00
Size: 118x38x11cm. - Weight: 13.8kg.

Art.330T
CRONO Timer display with infrared remote control (RX+TX)
Size: 118x38x11cm. - Weight: 14kg.

Art.334
Additional keyboard for CRONO and CRONO-M
With cable 1,3m long.
Size: 15,5x9x1,6cm. - Weight: 0.43kg.

Art.R361-7
Infrared remote control for Crono/Crono-M - Tx only
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

CRONO with infrared remote control (Art.330T)

The version with infrared telecontrol is available (Art. 330T) with which you are, anyhow
equipped with the keyboard with a cable 30 metres long. Characteristics of the telecontrol:

- Range: 20-30m.
- Sturdy small alluminium box.
- Membrane keyboard which does not get ruined by dirt or liquids.
- Measurements: 4.8 x 11 x 2.2cm - 0.17kg.

OPTION

Electromagnetic Horn (Art.333I)

The CRONO already has an his own acoustic signaller to signal the end of the time. If you need to get a more powerful acoustic signaller (for instance in wide and/or noisy places) it is possible to order the CRONO with a car horn included (Art.333I). Please take care the car Horn is purchasable only together to tables and not subsequently.

CRONO-M (Art.331)

Timer for displaying the time of sport matches or competitions.

- Display: **MINUTES** and **SECONDS**. The timer is programmable up to 59 minutes**,** 00 seconds.
- Height of digits: 20cm, legible up to a distance of 50m.
- **Audio warning signals** the end of the set time, easily heard even at a distance.
- Possibility of **counting** either **forward** or **backward**.
- The red colour for the minutes and green for the seconds makes the display both easier to read and more attractive.
- **Sturdy membrane keyboard** featuring oversize keys controls switching on the chronometer, programming the count time, and the Start and Stop functions.
  The keyboard is already connected to a 30m cable. To lengthen the cable, you need only a simple cable with two wires. It is possible to connect several keyboards if it is necessary to control the chronometer from more than one position.
- **Attractive metal casing**. Very easy to install; just plug it in and it is ready to operate.
- **Power supply**: 230Vac, 50-60Hz, 50VA.
  By request, also in the 115Vac version.
- **Dimensions and weight**:
  - CRONO-M: 85 x 38 x 11cm - 9.5kg.
  - Keyboard: 15.5 x 9 x 1.5cm - 0.4kg.

CRONO-M with infrared remote control (Art.331T)

The version with infrared telecontrol is available (Art.331T) with which you are, anyhow
equipped with the keyboard with a cable 30 metres long. Characteristics of the telecontrol:

- Range: 20-30m.
- Sturdy small alluminium box.
- Membrane keyboard which does not get ruined by dirt or liquids.
- Measurements: 4.8 x 11 x 2.2cm - 0.17kg.

OPTIONS

Electromagnetic Horn (Art.333I)

The CRONO already has an his own acoustic signaller to signal the end of the time. If you need to get a more powerful acoustic signaller (for instance in wide and/or noisy places) it is possible to order the CRONO with a car horn included (Art.333I). Please take care the car Horn is purchasable only together to tables and not subsequently.

Art.331
CRONO-M Timer display with minutes & sec.
Size: 85x38x11cm. - Weight: 11kg.

Art.331T
CRONO-M Timer display with infrared remote control (RX+TX)
Size: 85x38x11cm. - Weight: 11.2kg.

Art.334
Additional keyboard for CRONO and CRONO-M
With cable 1,3m long.
Size: 15,5x9x1,6cm. - Weight: 0.43kg.

Art.R361-7
Infrared remote control for Crono/Crono-M - Tx only
Spare part
Size: 11x4,8x2,2cm. - Weight: 0.17kg.

2-PIN PLUG

(Art.918)

2-PIN PLUG COMPLETE for foil/sabre body cord

No other plug is so simple to assemble or to change in a body cord. There is only one screw.

No small parts can be lost.

- A "hook stop" avoids the bending of the hook.
- A "finger holder" helps to remove the plug, especially for young students, avoiding pulling of the cable.

Art.918
2-PIN PLUG for foil/sabre body cord
Weight: 0.013kg.

Art.910-1
PLUG PIN diam. 4mm
Spare part
Weight: 0.003kg.

Art.918-1
PLUG PIN diam. 3mm for 2-Pin plug
Spare part
Weight: 0.002kg.

Art.918-2
Plastic parts for 2-Pin plug
Spare part
Weight: 0.007kg.

Art.918-3
Screw and nut for 2-Pin plug
Spare part
Weight: 0.001kg.

Various Options

Art.+199R
+ OPTION: Relay 30A (included in the above item)

Art.+199P
+ OPTION: Protection from rain and water splashing for CTx0 and CTx1 (included in the above item)
Weight: 0,18kg.

Art.+199Q
+ OPTION: Protection from rain and water splashing for CTx2 (included in the above item)
Weight: 0,01kg.

Art.+199M
+ OPTION: Electronic multi-coin Acceptor (included in the above item)

Art.+200-001
+ mechanical TOKEN acceptor (included in the above item)

Art.+200-050
+ mechanical coin acceptor for –0.50 (included in the above item)

Art.+200-100
+ mechanical coin acceptor for –1.00 (included in the above item)

Art.+200-200
+ mechanical coin acceptor for –2.00 (included in the above item)

Art.+200-E
+ electronic coin acceptor for 6 coins (included in the above item)

Art.+200-EP
+ prearranged for electronic coin acceptor (without coin acceptor)

Art.+200-M
+ mechanical coin acceptor (included in the above item)

Art.+200-MP
+ prearranged for mechanical coin acceptor (without coin acceptor)

Art.+240-075
+ OPTION: 75m Serial Cable (+25m) (included in the above item)

Art.+240-100
+ OPTION: 100m Serial Cable (+50m) (included in the above item)

Art.+240-125
+ OPTION: 125m Serial Cable (+75m) (included in the above item)

Art.+240-150
+ OPTION: 150m Serial Cable (+100m) (included in the above item)

Art.+240-175
+ OPTION: 175m Serial Cable (+125m) (included in the above item)

Art.+240-200
+ OPTION: 200m Serial Cable (+150m) (included in the above item)

Art.+333I
+ INTERNAL Electromagnetic Horn 110dB-2m (included in the above item)

Art.+400-S
+ BRACKETS to fix the BOX under the billiard (included in above item)

Art.+640-000
+ OPTION: HOURLY BANDS (included in the above item)

Art.+641-000
+ OPTION: with RESTART function (included in the above item)

Art.+642-000
+ OPTION: with LAMP CONTROL (included in the above item)

Art.+644-000
+ OPTION: Briar-Root finish (included in the above item)

Art.+645-000
+ OPTION: Conformal coating on the electronic boards of the above item

Art.+650-P
+ customized TERMODELTA front sticker (included in the above item)

PLAY20-V (Art.344, Art.344T, Art.344D)

Electronic scoreboard for volleyball, table tennis, etc.

- **Art. 344 PLAY20-V Volleyball scoreboard with only keys console**
- **Art. 344T PLAY20-V Volleyball scoreboard with infrared remote control**
- **Art. 344D PLAY20-V Volleyball scoreboard with console display**

VISUALIZED FUNCTIONS

- **SCORES**: from 0 to 199 each side.
- **SET/BONUS**: from 0 to 3 each side.
- **POSSESSION/PRIORITY/TURN**: right or left hand side.

TECHNICAL DATA

- **Numbers:** 17.4cm high**.**
- **Scores Visibility:** 60meters.
  It is supplied with a keyboard already connected by means of a cable 30 metres long. The eventual extension of the cable is very easy because it is a cable with only 2 conductors and without any polarity.
- The sturdy membrane keyboard with big, coloured keys is reliable and easy to use.
- On request, adhesive writings, in various languages: HOME-GUEST, HEIM-GÄSTE, LOCALI-OSPITI, etc..
- **Power supply:** 230Vac, 20VA MAX.
- **Sturdy Metal container**.
- **Scoreboard measurements:** width 85cm, height 38cm, depth 11cm.
- **Keyboard measurements:** width 15.5cm, height 9cm, depth 1.5cm.
- **Total weight:** 9.5kg.

Other versions

PLAY20-V Volleyball scoreboard with remote control (Art.344T)

Available the version with infrared remote control in which, any way the keyboard with cable long 30 meters is given in endowment. Technicals details of the remote control:

- 25 meters range.
- Strong covering in aluminium and of contained dimensions: 11 x 4.8 x 2.2cm.
- Keyboard with a membrane unassailable from dirty and liquids.

PLAY20-V Volleyball scoreboard with luminous console display (Art.344D)

The link between the scoreboard and the console takes place through a wire phone: in endowment is given a 60m long cable. The console with display presents the following advantages:

- it is necessary if the console operator does not have a direct vision of the scoreboard and it performs the management easier;
- it disposes of a greater number of keys and tasks;
- Can be connected up to 4 scoreboard repeaters PLAY20V-REPEATER (see options).

Options

PLAY20V-REPEATER (ART.344R): use of a second scoreboards as repeater.

Some times can be useful install two or more scoreboards to improve the visualization by the audience and/or of the players. It is possible to connect till four PLAY20V-REPEATER (art.344R) to the "Console display" of the art.344D PLAY20-V model. The link among the console and a scoreboard takes place by a telephone cable (in endowment is along 60 meters).

Art.344
PLAY20-V with only keys on console
Size: 85x38x11cm. - Weight: 10.7kg.

Art.344T
PLAY20-V with infrared remote control (Rx+Tx)
Size: 85x38x11cm. - Weight: 10.9kg.

Art.344D
PLAY20-V with console display
Size: 85x38x11cm. - Weight: 11.45kg.

Art.344R
PLAY20-V REPEATER
Size: 85x38x11cm. - Weight: 9.4kg.

PLAY30-V (Art.345 Art.345T Art.345D)

Electronic scoreboard for volleyball, five-players football, table tennis, etc.

- **Art. 345 PLAY30-V with only keys console**
- **Art. 345T PLAY30-V with infrared remote control**
- **Art. 345D PLAY30-V with console display**

Visualized functions

- **SCORES**: from 0 to 199 each side.
- **SET/BONUS**: from 0 to 9 each side.
- **POSSESSION/PRIORITY/TURN**: right or left hand side.

Technical data

- **Numbers:** 17.4cm high**.**
- **SET/BONUS/FOUL:** 9.4cm high.
- **Visibility.** Scores: 60m. Set/Bonus/Fouls: 30m.
- It is supplied with a keyboard already connected by means of a cable 30 meters long. The eventual extension of the cable is very easy because it is a cable with only 2 conductors and without any polarity.
- The sturdy membrane keyboard with big, coloured keys is reliable and easy to use.
- **INSCRIPTIONS ADHESIVE** are available in (LOCALI-OSPITI) Italian, (HOME-GUEST) English, (HEIM-GÄSTE) German, (LOCAUX-VISITEURS) French and (LOCALES-VISITANTES) Spanish. Specify in the order the wished tongue.
- **Power supply:** 230Vac, 20VA MAX.
- **Sturdy Metal container**.
- **Scoreboard measurements:** width 85cm, height 38cm, depth 11cm.
- **Keyboard measurements:** width 15.5cm, height 9cm, depth 1.5cm.
- **Total weight:** 9.5kg.

Other versions

PLAY30-V with remote control (Art.345T)

Available the version with infrared remote control in which, any way the keyboard with cable long 30 meters is given in endowment. Technicals details of the remote control:

- 25 meters range.
- Strong covering in aluminium and of contained dimensions: 11 x 4.8 x 2.2cm.
- Keyboard with a membrane unassailable from dirty and liquids.

PLAY30-V with luminous console display (Art.345D)

The link between the scoreboard and the console takes place through a wire phone: in endowment is given a 60m long cable. The console with display presents the following advantages:

- it is necessary if the console operator does not have a direct vision of the scoreboard and it performs the management easier;
- it disposes of a greater number of keys and tasks;
- Can be connected up to 4 scoreboard repeaters PLAY30V-REPEATER (see options).

Options

PLAY30V-REPEATER (ART.345R): use of a second scoreboards as repeater.

Some times can be useful install two or more scoreboards to improve the visualization by the audience and/or of the players. It is possible to connect till four PLAY30V-REPEATER (art.345R) to the "Console display" of the art.345D PLAY30-V model. The link among the console and a scoreboard takes place by a telephone cable (in endowment is along 60 meters).

Art.345
PLAY30-V with only keys on console
Size: 85x38x11cm. - Weight: 10.7kg.

Art.345T
PLAY30-V with infrared remote control (Rx+Tx)
Size: 85x38x11cm. - Weight: 10.9kg.

Art.345D
PLAY30-V with console display
Size: 85x38x11cm. - Weight: 11.45kg.

Art.345R
PLAY30-V REPEATER
Size: 85x38x11cm. - Weight: 9.4kg.

WF1 Wireless Fencing 1 (art.897-01)

Wireless apparatus for signalling hits in fencing, suitable for epee and foil training.

YouTube video:
http://www.youtube.com/watch?v=Gsz-xpLtXhc

Art.897-01
WF1 Wireless Fencing apparatus
It includes the carrying case with the RECEIVER and two TRANSMITTERs
Size: 26.5x21x7cm. - Weight: 2.0kg.

- Not suitable for competitions since not all features of a traditional wire apparatus can be guaranteed. Signalling specifications are indicated in the "WF1-Signalling Specifications" document.

- Signals hits in conformity with FIE time regulations.

- Ready for immediate use. Ideal for gyms or schools which are not equipped for fencing since no installation/uninstallation of reels, cables, apparatuses and power supply devices is needed.

- 5 modes of operation:

  "Epee"
  "Foil"
  "Epee training": for signalling hits in rapid succession on the epee
  "Epee plastic": for plastic epees with electrical connection
  "Foil plastic": for plastic foils with electrical connection

- Used with customary fencing attire and equipment. No special clothing, connective t-shirts or other conductive garments necessary.

- Operates with rechargeable batteries. Typical length of battery life: approx. 45 hours of power. Battery level indicator. Auto-switch off after 20 minutes of inactivity. Battery charger provided.

- Excellenct visibility of the lights signalling hits. Adjustable acoustic signal.

- A second WF1 can be used as a repeater on the same piste, in order to display hits at each end of the piste or in the direction of the spectators.

- Radio transmission at 2.4GHz. Simultaneous operation of 12 piste without interference thanks to the possibilty of selecting 12 different radio channels. Such a selection allows for the TRANSMITTER to be easily replaced without having to specifiy any codes to the manufacturer.

- USB port for easy updating of software in the case of changes in FIE regulations. For automatic updating simply insert a USB key containing the new file.

- Comes with carrying case with transparent side containing: RECEIVER apparatus with signalling lights, the two TRANSMITTERS used by fencers, and battery charger.

- Total size and weight of carrying case: 265x210x70mm 2.0kg

- Size and weight of each TRANSMITTER: 76x48x17mm 54g

>> SPARE PARTS

>> WF1 Signalling specifications

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ELECTRONIC DESIGN