

SCOREBOARDS

SATURN 2

Multisport Scoreboard

OVERVIEW

Swiss Timing, active in the multi-sport scoreboard market throughout its long history, presents the new SATURN 2 series.

Covering a wide range of team sports, the SATURN 2 uses up to 19'000 very bright LEDs to provide the same contrast ratio when installed beside a video display.

The digit height of 30 cm guarantees a viewing distance of 125m.

The new SATURN 2 scoreboard is the worthy successor to the

SATURN, which has been successfully used in basketball and handball during the Athens and Beijing Olympic Games, the Men's handball World Championships in Tunisia and in ice hockey at the Torino, Vancouver and Sochi Winter Olympic Games.

The design of the sheet steel modular casing makes the SATURN 2 very strong but also easy to install due to its thickness of just 85mm. Maintenance of the Saturn 2 is made simple by the

access to both the front and the rear of the display.

The digits are housed behind a patented grille, assuring total protection from ball strikes in accordance with the following regulations:

FIBA 10.1.10, DIN 57710/13 and DIN 8032/3.

The size, colour and layout of the digits make the overall information attractive and easy to read.



SHOT CLOCKS AND CONTROLLER

The controller presents all important information on a large LCD display (240 x 128 pixels), allowing simple, user-friendly operation. Controller and scoreboard are linked through a RS485 cable.

The cable enters each peripheral device and connects straight through, allowing the whole hall to be wired with a single cable. Optional Bluetooth modules are available in order to reduce cable clutter even more. The controller comes pre-loaded with various software adapted to the following sports rules : basketball, volleyball, handball, hockey, netball, tennis, badminton, table tennis, indoor football.



SPECIFICATIONS

SHOT CLOCKS

| Article number (3500.xxx) | 901 | 912 | 913 | 922 | 923 | 932 | 933 | 951 | 952 | 953 | 961 | 962 | 982 | 983 | 987 | 988 |
|-----------------------------|------|------|------|------|------|------|------|------|---------|------|------|--------------|-----|-----|-----|-----|
| Height (mm) | 1050 | 2100 | 2625 | 2300 | 2825 | 2300 | 2825 | 200 | 2300 | 200 | 1050 | 1050 2100 | 340 | 600 | 600 | 600 |
| Width (mm) | 2300 | 2300 | 2300 | 3410 | 3410 | 4030 | 4030 | 2300 | 2*1350 | 2300 | 2300 | 2300 4600 | 680 | 680 | 810 | 810 |
| Thickness (mm) | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 90 | 90 | 85 | 85 | 610 | 810 |
| Weight (kg) | 56 | 112 | 141 | 183 | 212 | 206 | 236 | 15 | 2*77 | 15 | 55 | 110 | 9 | 12 | 42 | 54 |
| Power consumption (VA) | 300 | 600 | 750 | 900 | 1050 | 1000 | 1150 | 300 | 2*600 | 300 | 300 | 750 | 100 | 110 | 330 | 440 |
| Characters * Lines * Panels | - | - | - | - | - | - | - | 17 | 10*12*2 | 17 | - | - | - | - | - | - |

Display functions

Protection:

IP43 IP43 IP43 IP43 IP43 IP43 IP43 IP43 IP43 IP43 IP65 IP65 IP65

| | | | | | | | | | | | | | | | | | |
|----------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---|---|---|
| Game time / break time | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ |
| Set in play (Tennis) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Daytime | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ |
| Periods / Set | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Score / Set in play (Volley) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Time out | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Service | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Advantage / Possession | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Pers. Faults with faulting players nr. | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |

Permanent display information

| | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|
| Number of faults per team | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Number of faults for each player | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Results of played sets | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Individual score per player | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Player number (0-99) | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |

Penalty times information

| | | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------------|--|---|---|---|---|---|---|--|--|--|--|---|--|--|--|--|--|
| Visualized countdown, nr. of indiv. penalty times per team with nr. | | 2 | 3 | 2 | 3 | 2 | 3 | | | | | 3 | | | | | |
| Number of misconduct penalty times per team | | 2 | 2 | 2 | 2 | 2 | 2 | | | | | 2 | | | | | |
| Results of previous sets | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ | | | | | |

SATURN 2 DIGITS HEIGHT



Common specifications SATURN 2 & Shot clocks

Power Supply: 115/230 VAC

Operating temperature: 0 to 50°C

Storage temperature: -30 to +85°C

Sound signal level: 113dB @ 1m

Protection: IP43

Certifications: CE and RoHS compliant

■ Team names: 15cm

■ Score & Game time /
Fault Personal : 30 / 25cm

■ Penalties: 20cm

■ Individual player info: 15cm

SATURN 2 TYPES

3500.901



3500.912



3500.913



3500.922



3500.923



3500.932



3500.933



SHOT CLOCKS



Game clock: 15cm

Shot time: 25cm



OPTIONS

3500.951

HOME VISITOR

Team names: 17x (15 cm characters)
split in e.g. 9 + 8 characters.

OPTIONS

3500.951

HOME VISITOR

Team names: 17x (15 cm characters)
split in e.g. 9 + 8 characters

3500.952

| | |
|------------|----------|
| SKOU R. | OH Y. |
| MIKKELSEN | WOO S. |
| VESTERGART | HUG S. |
| JDERGENSEN | LEE G. |
| THOMSEN C. | JANG S. |
| NORTENSEN | KIM H. |
| MIREAKOU | KIM C. |
| JENSEN T. | OH S. |
| FRUELLIND | MOON K. |
| SCHINDT | LIN O. |
| ANDERSEN | LEE S. |
| BROEDSGART | YOUNG B. |

Player names: 2 panels with 12 lines of 10x (15cm characters)

ICE HOCKEY IN / OUTDOOR

3500.961



3500.962



SHOT CLOCKS

For basketball, the Shot clocks can be mounted in different ways including a floor standing option, or assembled in a three-sided display to be positioned over the basket. A four sided Shot clock is also available, as required by FIBA for high level competitions. An ultra-bright point acts as an indicator of whether the clock is running or has stopped.

Notes :

Floor stand only provided as an option (see below)

Shot clocks are equipped with an internal horn


Shot clocks can be mounted on a basket structure

Shot clocks sets include 100 m cable and an External Start/Stop/Reset pushbutton.

All products are certified  and  RoHS compliant

3500.982 OMEGA SATURN 2.900 Shot Clocks (set of two)


3440.904 Wireless Bluetooth serial port adapter

 Bluetooth[®] for shot clocks



3500.983 OMEGA SATURN 2.900 Shot Clocks With game clock (set of two)


3440.904 Wireless Bluetooth serial port adapter

 Bluetooth[®] for shot clocks



3500.987 OMEGA SATURN 2.900 Shot Clocks With game clock 3 sides (set of two)


3440.904 Wireless Bluetooth serial port adapter

 Bluetooth[®] for shot clocks



3500.988 OMEGA SATURN 2.900 Shot Clocks With game clock 4 sides (set of two)

3440.904 Wireless Bluetooth serial port adapter

 Bluetooth[®] for shot clocks



OPTIONAL ACCESSORIES

3500.986 OMEGA SATURN 2 Shotclock floor standing (set of two)



3500.981 OMEGA SATURN Backstops for Shotclock with game clock (set of two)



3500.985 OMEGA SATURN Total faults per team table display (set of two)



3500.984 OMEGA SATURN possession display



3400.788 OMEGA SATURN External Start/Stop reset push button



3500.786 OMEGA SATURN EXTERNAL HORN



3500.900 OMEGA Multisport Controller SATURN 2



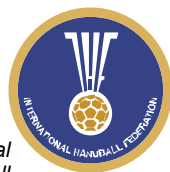
3500.900.BT  Bluetooth[®]

3400.995 Hockey Goal Lamp (set of two)



HOMOLOGATIONS

SATURN displays are homologated and approved by some sports federations such as:



International
Handball
Federation (IHF)



International
Basketball
Federation (FIBA)



International
Ice Hockey
Federation (IIHF)

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