



HL 930 START CLOCK

TECHNICAL SPECIFICATIONS

➤ General

- The Start Clock HL 930 is world-renowned
- 3 separate stepping motors make up this sophisticated movement to control the hours, minutes and seconds hands.
- An integrated GPS receiver ensures the exact synchronization to the official time-of-day at your location.
- In addition to the analogue movement, two seven-segment numeric indicators visually countdown the remaining seconds to each start interval.
- Further, another indicator comprised of a rotating red, green and yellow disk provides information on start validity.
- An acoustic signal rounds out the battery of indicators that serve this start clock

➤ Start Intervals

- From 10 seconds to 11 min 55 sec in 5 second increments

➤ Time Setting

- From internal GPS or manually

➤ Time Base

- 16 MHz Thermocompensated Quartz Crystal
- +/- 0,5 ppm at 20° C
- +/- 2,5 ppm from -30° to 75° C



➤ Inputs

- GPS Antenna Connector
- Timing Impulses
- SYNCRHO and TOP MINUTE signal synchronize other Timing Devices [CP520]
- Remote Control

➤ Outputs

- 1 RS 232 Data output /9'600 bds for Printer or PC (different settings of the Start Clock)
- 25 Pin Connector with multiple outputs of timing signals for lights, additional audio systems or other visual indicators

➤ Temperature Range

- 25° C to + 75° C (without heating)

➤ Power Supply

- Internal : 12V DC rechargeable battery
- External : 12-18V DC source

➤ Autonomy

- 18 hours at 20° C
- 8 hours at - 20° C

➤ Housing

- Hot lacquered black aluminum case
- Delivered with its transport case, charger, GPS antenna and setting software.

➤ Dimensions/Weight

- 6 kg alone (11,5 kg with transport case)
- 320 x 500 x 115 mm
- Clock face diameter : 270 mm
- digits height : 110 mm



The connections are well protected under the Start Clock

A lateral door gives easy access to the Start Clock settings

