



**TAGHeuer**  
PROFESSIONAL TIMING

# START CLOCK HL 940



# Start Clock HL 940

Nothing less than the most high-performance start device ever conceived, the **new HL940 TAG Heuer Start Clock represents a breakthrough in the timing world**, combining an unique analogic dial and LED full colour display design to give unparalleled precision and practicality in the pure avant-garde tradition of TAG Heuer.

This new and unique architecture, inspired from the well-known TAG Heuer original start clock, the undisputed leading timing device in the rally car racing, introduces a **new generation of Start devices**, free of any constraint and displaying timing data and information in the most logical and elegantly way possible.

## Its many innovative features include:

- GPS antenna integrated
- Outdoor LED 2 digit display for Count Down (120mm high)
- Outdoor LED in 3 colors for seconds display
- Outdoor LED in 3 colors (up to 64) for the Start Light
- Two reflective needles to show hours and minutes in classic analog fashion
- Internal high-volume horn
- Two timing modes available: Precision Time Base with sequential numbering, and Split mode with bib number.
- Up to 50 different programs for the start process
- Easily accessed side control panel
- Two input channels for external switching device (photocells, start gate or other normally-open devices)
- Three bidirectional RS232 / RS485 data ports (PC / AUX 1 / AUX 2) for PC, external printer (HL 200), Display etc.
- One Input for "Start / Stop / Restart" function
- One output "Top Minute," output impulse to synchronize with other timing devices
- One output "Top Synchro" output impulse at the precise time of start
- External plug for GPS
- External Jack plug for additional horn
- Three expansion slots for ethernet connection, GPRS, etc
- Standard communication protocol "THCOM-08"
- Compliant with all M-sports Timing Software

## TECHNICAL SPECIFICATIONS

### General

- 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.

### Time Base

- 16 MHz Thermo compensated Quartz
- +/- 0,5 ppm at 68° F (20°C)
- +/- 2,5 ppm from -22° F (-30°C) to 167° F (75°C)

### Temperature Range

- 77° F (-25° C) to + 167° F (75° C)

### Power Supply

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

### Autonomy

- 15 hours at 68° F (20° C)
- 8 hours at -90° F (-20° C)

### 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



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