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HL 960 6 DIGITS DISPLAY



- ▷ The displays are easy to transport and install.
- ▷ Electronic control elements and circuits are likewise easily accessible and protected against weathering effects and shock damage.
- ▷ An internal clock in the displays allows for the autonomous use of the displays as a stand-alone device to display time-of-day or for use with any of the many automated functions as required for pay-to-race installations.
- ▷ A remote control is available as an option.
- ▷ Many HL 960 displays can be linked together in series or in parallel to display a variety of timing and other numeric information.

- ▷ Both the HL 960 and HL 990 display boards use 7-segment bi-stable element technology that provide excellent visibility and low current consumption.
- ▷ The displays are housed in a simple and compact thermal lacquered aluminium case that is very rugged.
- ▷ The Plexiglas faceplate is removable making access to and positioning of the digits and the spacing thereof very easy.
- ▷ These displays are compatible with all TAG Heuer timing systems and can be driven directly by our PC software products.

HL 990 9 DIGITS DISPLAY



HL 4 / HL 4-3

- ▷ Supports recommended for photocells when tripods cannot be used (winter sports). With adjustable aluminum mounting ball.



HL 5

- ▷ Quality tripod delivered with adjustable mounting ball.





HL 553 IMPULSE DISTRIBUTOR & OPTOCOUPLER

- ▷ **Input Triggering**
 - 100 impulses/sec max.
 - working contact
- ▷ **Output Signal**
 - 10 ms impulses (working contact)
- ▷ **Triggering delay**
 - 2 ms
- ▷ **Power Supply**
 - 2 x 9V Batteries (6LR61)
- ▷ **Autonomy**
 - More than 60 Hours
- ▷ **Battery Condition Indicator**
 - Flashing LED
- ▷ **Triggering Indicator**
 - LED with short-circuit detection
- ▷ **Dimensions**
 - 110 x 33 x 110 mm
- ▷ **Weight**
 - 400 gr.

HL 7-1 START GATE



- ▷ The design and construction of this product is of the highest possible standard, ensuring accurate and dependable operation under extreme conditions



HL 920 START CLOCK

- ▷ **General**
 - The HL 920 is a multi-function start clock that is very precise and reliable
 - 3 separate stepping motors make up this sophisticated movement to control the hours, minutes and seconds hands.
 - In addition to the analogue movement, two seven-segment numeric indicators 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 RTC clock or manually
- ▷ **Time Base**
 - 16 MHz Thermocompensated Quartz Crystal
 - +/- 0,5 ppm at 20° C
 - +/- 2,5 ppm from -30° to 75° C
- ▷ **Inputs**
 - Timing Impulses
 - Synchronization
 - Remote Control
- ▷ **Outputs**
 - 1 RS 232 Data output for computer or printer at 9'600 bds
 - 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
- ▷ **Dimensions/Weight**
 - 7,3 kg
 - 320 x 500 x 115 mm
 - Clock face diameter: 270 mm
 - digit height: 100 mm



HL 960/990 DISPLAY

- ▷ **General**
 - HL 960 & 990 digital display boards respond to many application demands. They are compact and solid units that are easily transportable. They can be used as a stand-alone unit or chained together in configurations of up to 10 boards
- ▷ **Compatibility**
 - With all TAG Heuer timing devices and accessories
 - Via our timing softwares
 - Via PC or RS 232
- ▷ **Configuration**
 - Different operating programs are user selectable with a button
- ▷ **Time Base**
 - Quartz oscillator for use as a stand-alone clock
- ▷ **Data Communication**
 - RS 232 at 9'600 bds for all types of data to be displayed
- ▷ **Inputs**
 - START and STOP for timing impulses
 - SYNCHRONIZATION
 - Remote Control (optional)
- ▷ **Outputs**
 - RS 232 connection to other displays
- ▷ **Models**
 - All with 15 cm high digits
 - HL 960 6 digits
 - HL 990 9 digits
 - Models with 25 cm high digits are available on request
- ▷ **Temperature Range**
 - -25° C to +70° C
- ▷ **Power Supply**
 - External 12V DC
 - Internal battery available as an option
- ▷ **Construction**
 - Hot lacquered black aluminum case
- ▷ **Dimensions/Weight**
 - 6 digits: ~ 9,5 kg / 100 x 230 x 120 mm
 - 9 digits: ~ 15 kg / 1'500 x 230 x 120 mm