



TAGHeuer
PROFESSIONAL TIMING

PHOTOCELL 20m WITH REFLECTOR HL 2-31



Photocell with reflector

HL 2-31

- Infrared reflector-type photocell with an exceptional quality/price ratio.
- For timing line widths of up to 20 meters.
- Internal battery power as well as a plug for external power input of 6-12 V DC.
- If the external power fails, the batteries assure proper operation of the photocell.
- Impulse output length adjustment.
- Two indicator lamps (LED) provide information on battery condition and photocell signal alignment.
- Installation of standard photographic tripods (1/4" mount) or on HL 4 mounting brackets.

Recommended use

This photocell satisfies the highest standards of timing accuracy for the majority of sports applications.

In all cases, photocells that use reflector technology for timing sensing should not be employed whenever a risk of reflection from the object being timed exists.

Technical specifications

General

- Infrared type photocell using a coded modulated frequency of 32.7 kHz. Triggering detection by frequency discrimination

Operating type and Distance limits

- Transmitter / Reflector, up to 20 Meters

Output Trigger

- Infra-red photocell with internal or external power supply and 2 functions modes:
- IMPULSE mode with adjustment of duration of the output impulse (standard mode).
- DIRECT mode with timing impulse which correspond to the breaking of the Infra-Red beam. This mode makes possible the control of the good functioning and alignment of the photocells.

Reaction Time

- Less than 0.5 ms

Precision

- +/- 0,02 ms for repetitive impulses

Internal Power

- Three alkaline batteries type 1.5V (AA)

External Power

- 6-12 VDC via 4-pole bayonet type jack.

Autonomy at 20° C

- About 100 hours

Operating Temperature

- -20° C to + 70° C

Indicators

- LED diodes for batteries and alignment.

Mounting

- Fitted for standard photographic 1/4" tripod or TAG Heuer mounting brackets HL 4 / HL 4-3

Dimensions

- Hot-lacquered black aluminium case 150 x 80 x 40 mm

Weight

- 500 gr. complete set
All photocell sets are delivered in their own transport case



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