



TAGHeuer
PROFESSIONAL TIMING

**100mW WIRELESS
PHOTOCELL
HL3-1x family**



100mW Wireless Photocell HL3-1x

Ultra High Precision and quality electronics, high-performance lenses, lightweight and durable aluminium housing: TAG Heuer Timing' new 100mW Wireless photocell has the best of in-house technology and heritage with over 20 years of continuous development.

Above all, the latest generation of photocells has an integrated 100mW Wireless module with a range of over 1000m, thus removing any need for cabling external devices such as the ChronoPrinter.

All the above being technical feat in itself, TAG Heuer Timing have further enhanced the photocell portfolio by integrating the Infra-red transmitter with the wireless feature to offer a complete wireless solution with a wide ranging Infra-red range operation to cater for wide finish lines up to a distance of up to 80 meters.

The HL3-1x solution is ideal for sports including motor sport, active sports, winter sports and equestrianism all demanding reliable, high accuracy, simple set up and low maintenance.

Synonymous with use for various world record attempts the TAG Heuer photocells equally find themselves at home in local competition.

Kit HL3-131

- 100mW Wireless photocells with Reflector : up to 20 m (65 ft.)

Kit HL3-135

- 100mW Wireless photocells with Infra-red Transmitter : 40 to 80 m (130 to 260 ft.)

Kit HL3-132

- 100mW Wireless double photocells with Infra-red Transmitter : 40 to 80 m (130 to 260 ft.)

Technical specifications

General

Principe

High frequency infra-red (32.768kHz)
Detection of signal by frequency discrimination

Distance for use

up to 20 meter (65 fts) with reflector (HL3-131)
up to 40 meter (130 fts) in LOW Position
up to 80 meter (260 fts) in HIGH Position
Output impulse
By optocouplers and working contact / open collector

Working temperature

- 20°C to + 50°C

Interne battery

Li-Pol 3.7V 3800mAh (+ power supply 7.5V 650mA – HL3-1)

Autonomy Wireless Photocell

Approximately 330 hours at 20°C

Autonomy Infra-Red Transmitter

LOW Position: 210 hours

HIGH Position: 100 hours

Precision

Fixed delay 200ms, +/- 0.5/10'000 sec (+/- 0.02 ms)

Output Lock Time:

Wireless ON : 200ms / Wireless OFF : 10ms

Dimensions

150x80x40 mm

Weight

800 gr

Type of emission :

ISM Band– 868 MHz

Power :

100 mW

Rang

1 km under optimal conditions, direct view



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