



TAGHeuer

PROFESSIONAL TIMING

Microphone sensor HL 556

Operating instructions

Version 04/2010



General Design

- The HL556 sensor detects and converts a sound signal into Impulses. This device has an adjustable sensitivity threshold.
- This impulse generator is designed for to integrate with all TAG Heuer timing systems and adapt it's application in each sport, sciences or industry.
Connected to our Chronoprinter CP540 or the Minitimer HL440, this device is ideal to measure a reaction delay: the gap between a start signal (Start lamp etc..) and a pistol shot for example.

1. Description

Front view



1. Sensitivity potentiometer with ON/OFF switch
2. Microphone

Side view

Impulse output (Banana Plugs)



2. General use

To preserve power, turn OFF the device when not in use.

Once the detector is correctly positioned on its holder, (the fixing system is a ¼ inch screw-thread - traditional camera tripods or our TAG Heuer HL5), turn the switch clockwise in order to turn the device ON.

Check that it receives the desired sound signal (like a start pistol or a clap). Adjust the sensitivity so that the device is not activated by other undesired sounds.

3. Power supply and Battery replacement

You will find the Battery inside the rear removable cover. The Battery type is a 9V 6LR61.



4. Technical specifications.

Sound detector with dynamic microphone.

Adjustable detection threshold

Power supply: 9V type 6LR61

PVC casing IP54 with Screw-thread fixation: ¼ inch (fits on our HL5 and HL4 series)

Bandwidth: 100 to 10000 Hz

Max sensitivity at 1metre (3.3 feet) 55 dB

Min sensibility at 1metre (3.3 feet) 105 dB



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