

# Tmic

## Handheld Leak Detector

Tmic is a pocket-sized water leak detection device developed for effective, on the spot network monitoring.

Lightweight and portable, Tmic discovers and amplifies leak noise that is otherwise inaudible to the human ear.

Tmic is simple to operate, providing audio and visual indication of noise levels and delivers excellent sound reproduction through high-quality wireless headphones.

### Key Features and Benefits

- **Easy to use:** simple operation with clear audio output
- **Lightweight:** comfortable to carry and easily portable
- **Compare data:** memory store of sound level for visual comparison of previous and current noise levels
- **Dependable:** long-life battery with replaceable cells
- **Wireless:** compatible with wireless headphones
- **Clear display:** shows noise level indication, comparison with previous noise level, battery status and wireless connectivity pairing status
- **Flexible:** range of adaptors supplied to suit different applications
- **Secure:** supplied in sturdy transit case
- **LED light:** for night work or dark chambers



### Applications

The sensor tip can be connected to a meter-long rod or placed directly on the pipe or fittings. Sensitivity levels achieved are far beyond what is possible with mechanical listening sticks.

Tmic's memory will store noise level data and show it through the LED display. Through visually comparing current and previous noise levels, operators can quickly identify where noise is loudest.

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### Ultrasonic Sensor

Construction	Handheld, ergonomically designed case made from PC-ABS (Polycarbonate) with a TPE over-mould for added grip and durability
Sensor	Piezoelectric high sensitivity sensor mounted in a stainless-steel head
Display	Noise levels displayed on linear LED display using Red/Green LEDs with Peak Hold level indication feature
Communication	Bluetooth wireless technology transmits the detected audible noise to the wireless headphones supplied
Dimensions	170H x 52W x 31D mm (6.6"H x 2.0"W x 1.2"D)
Temperature	-10 to 40°C
Power	3 x AAA Alkaline 1.5V (LR03 AM4) batteries supplied. (Note rechargeable batteries must not be used). Can be used for up to a month between battery replacements based on typical usage
Ingress Protection	IP54
Weight	180g (with batteries)
Headphones	Lightweight, high quality stereo headphones. Bluetooth connectivity range up to 10m. Frequency response 20Hz – 20KHz. Powered by internal rechargeable lithium ion battery 3.7V 300mA. Recharging by connection to a computer USB port using cable provided or by using a 12V USB car adaptor available as an optional extra. Charge time 1 – 2 hours (initial charge 3 hours). Can be used for up to a week between charges based on typical usage. Operating time is approximately 9 hours of continuous use.
Extension Poles	3 x aluminium extension rods (each 330mm long) can be assembled to the Tmic using a magnetic coupling to provide an extended length up to 1m long. (Total additional weight 275g)
Transit Case	Durable plastic with precision cut foam compartments for content's protection. External dimensions = 340x275x83mm. Fully loaded weight with Tmic and accessories is 1.25Kg
Wrist Strap	Nylon-woven. Length 150mm. HWM recommends that this is always worn when using the Tmic to prevent damage



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