

# AquaTest T10 | Electro-acoustic listening stick

The AquaTest T10 is the new electro acoustic “listening stick” used to locate leaks in water distribution networks from Sewerin.. The T10 has been designed to ensure it is comfortable to use over a full working day. It uses the new Sewerin SDR wireless headphones and all functions are easily operable by just one hand.

## Application - Pre-location or “Valve Bashing”

When a pressurised water pipe is damaged, the water leaks into the surrounding ground at high speed which causes the pipe and soil to vibrate at the exit point. This vibration, or sound, is transmitted along the pipe, and into the surrounding material. The AquaTest T10 is used to listen to these sounds at valves and other fittings. Due to the AquaTest T10’s leading edge microphone technology even the smallest leaks can be heard.

## Application - Leak Pinpointing

By attaching the optional tripod to the AquaTest T10 and listening on the ground above the pipe it can be used as a ground mic to pinpoint leaks



## Operational features

- The Digital Radio Headphones offer clear sound reproduction every bit as good as that of direct connection but without the nuisance of a cable tethering you to the microphone. The headphones are powered by 2 internally re-chargeable AA batteries.
- Activation of the headphones is by a capacitive sensor; place your finger in the sensor area and the headphones are turned on or off.
- Advanced Digital Signal Processing eliminates the “hiss” heard by many analogue acoustic devices
- MNL - Minimum Noise Level - A leak noise is constant; it does not get significantly quieter or louder unlike the noise from traffic and wind which can alters widely. The AquaTest T10 shows the changing noise level as an active bar graph but usefully also logs and displays the “quietest” moment during the time you have been listening. This is displayed as an numerical value in the centre of the screen
- Memory: - The last Minimum Noise Level value is stored and displayed informing you if you are closer or further away from the leak in the current listening position compared to the last. Is the leak sound getting louder or quieter? The higher the number on the display the closer to the leak you are.
- 8 frequency filters: - allows the user to listen to the sound at the frequency that best suits their hearing and the particular noise being listened to.
- DHP - Dynamic Hearing Protection - A hearing protection function mutes the headphones when any loud sudden noises are detected protecting the user from discomfort and hearing damage

## Specification AquaTest T10

- Display: illuminated, segmented
- Operating time: approx. 16 hours. Charging time 4 Hrs.
- Weight: 1250 g
- Storage temperature: -25 °C ... +60°C
- Power supply NiMH rechargeable batteries
- Operating temperature: 10 °C... +50°C
- Dimensions mm (W x H x D): 89 x 211 x 705
- Protection class: IP 65