

AquaTest T10 | Electro-acoustic Ground mic and Listening stick

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

Application - Prelocation 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, (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 tripod and wind shielding RP10 “elephant’s foot” base and listening on the ground above the pipe it transforms into a highly effective ground mic to pinpoint water leaks

Operational features

- **The Digital Radio Headphones** offer clear sound reproduction without the nuisance of a cable tethering you to the microphone. The headphones are powered by integral 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 fluctuate widely. The AquaTest T10 shows the constantly changing noise level as an active bar graph but critically also logs and displays the “quietest” moment during the time you have been listening. This is displayed as a numerical value in the centre of the screen
- **Memory** - The last Minimum Noise Level value is stored and displayed. This shows 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, (assuming it is the leak noise that you are listening to!)
- **Eight frequency filters:** - Allows you to listen to the sound at the frequency band that best suits your hearing and the particular noise being listened to.
- **DHP - Dynamic Hearing Protection** - A hearing protection function automatically mutes the headphones when any loud sudden noises are detected protecting you from discomfort and hearing damage

Specification AquaTest T10

- Display: illuminated, segmented
- Power supply NiMH rechargeable batteries
- Operating time: approx. 16 hours. Charging time 4 Hrs.
- Operating temperature: 10 °C... +50°C
- Weight: 1.2 kg
- Dimensions mm (W x H x D): 89 x 211 x 705
- Storage temperature: -25 °C ... +60°C
- Protection class: IP 65

