

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
- **Minimum Noise Level (MNL)** - 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.
- **Dynamic Hearing Protection (DHP)** - 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
- Operating time: approx. 16 hours.
Charging time 4 Hrs.
- Weight: 1.2 kg
- 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

AQUATEST T10

The AquaTest T10 is a test rod with innovative technology and ergonomic design. Its strengths lie in the prelocation of leaks in water pipe networks. The AquaTest T10 is the first test rod from SEWERIN for which no additional receiver is necessary.

Listening to the noises is activated not by the usual key but by a special sensor field. The visualisation of the noises that are picked up is delivered to a display incorporated in the handle. In the product variant with the SDR radio module, the test rod can be used with the radio headphones.

AQUATEST T10 LISTENING STICK KIT (Corded Headphones)

- LCD display, 8 preset filter stages for better results, last memory function
- High dynamic superior microphone technology for locating smaller leaks
- Heavy duty design, K3 noise cancelling corded headphones
- Soft carry case with foam insert, M10 350mm test tip & AC/DC Adaptor
- Perfect for Water Authorities and Councils wanting high quality at lower cost



AQUATEST T10 SDR PROFESSIONAL KIT (Cordless Headphones)

- LCD display, 8 preset filter stages for better results, last memory function
- High dynamic superior microphone technology for locating smaller leaks
- Heavy duty design for everyday use, F8 cordless headphones with SDR technology
- M10 tripod adaptor to convert to ground microphone
- Soft carry case with foam insert, M10 test tip & AC/DC Adaptor
- Perfect for Water Authorities and Councils



AQUATEST T10 PROFESSIONAL GROUND MICROPHONE COMBO KIT

- LCD display, 8 preset filter stages for better results, last memory function
- High dynamic superior microphone technology for locating smaller leaks
- Heavy duty design for everyday use, F8 cordless headphones with SDR
- M10 tripod adaptor to convert to ground microphone
- RP10 Wind Protection Resonance Plate
- Soft carry case with foam insert, M10 test tip & AC/DC Adaptor
- Perfect for Water Authorities and Councils



AQUATEST T10 OPTIONS

- Option 1. RP10 Wind Protection Resonance Plate
- Option 2. 300 mm extension tip for deep wells
- Option 3. 600 mm extension tip for extra deep wells