

AQUAPHON® A 150

Small and handy meets
premium microphone technology
compact - universal - reliable



AQUAPHON® A 150 – compact – universal – reliable

AQUAPHON® is a first-class water leak detection system. Professional prelocation and the precise pinpointing of leaks is ensured by the A 150 receiver together with the well-established microphone technology from the AQUAPHON® A 200 system, which has proved its worth countless times. Connected via high-end microphones and wireless headphones, this device impresses with its brilliant reproduction quality. The display offers support by visualising the noise for reliable and differentiated evaluation. Small, light and handy, – the receiver wins over customers with its clever, compact design and maximum comfort when carrying. Thanks to adjustable filters and automatic frequency scanning, frequency ranges can be individually adapted to the user's hearing, influences from sound interference minimised and sound quality optimised for reliable evaluation of the leakage situation.

Very comfortable to carry, perfect handling

Featuring practical dimensions and a low weight, the compact A 150 receiver is perfect for everyday usage. Instead of using the carrying strap, it can also be conveniently clipped onto the wearer's belt: for freedom of movement, effortless carrying and nothing to get in your way! Especially practical: the display is always easy to read as it has an optimised tilt angle, with the screen automatically rotating by 180° depending on how it is carried. Fast switchover of the microphones on the TS 150 carrying rod offers maximum comfort, so allowing the AQUAPHON® A 150 to be effortlessly adapted to all kinds of situations and requirements.



Efficient prelocation and pinpointing

The A 150 receiver is recommended for prelocation along fittings or pinpointing on different surfaces – either outdoors or in buildings. Measurements can be conveniently started or terminated using the activation key. Current and previous minimum noise levels are shown both as a graph and a numerical readout on the practical display. Volume, filter limits and hearing protection can all be individually adjusted to optimum effect.

Reliable results and availability

The high-quality piezo microphones with frequency response optimised especially for leak detection and the digital signal processing offer outstanding acoustic properties. Thanks to the excellent sound quality and minimisation of sound interference, you can reliably identify and locate leaks even if the sound intensity of the leak is weak or there is significant ambient noise.

The AQUAPHON® A 150 receiver automatically calculates the filters and selects suitable frequency ranges. Alternatively, you can set manual filter limits according to your individual hearing and select frequency ranges which accentuate the leak noise. This allows you to concentrate fully on the leak without any sound interference.

In addition, the high-performance rechargeable battery guarantees optimum availability without needing to be recharged – for at least two days of work.



AQUAPHON® A 150 microphone technology

The *TM 200* touch microphone has been specially developed for prelocation along fittings in the pipe network. Its frequency response allows the reliable detection of both muted and low-pitched noises, as tend to occur on plastic pipes, and loud and high-pitched leak noises on metal pipelines. The probe tip and different extensions ensure optimum adjustment to structural conditions in all pipe networks. The *TM 200* features a torch function, which is automatically activated on the AQUAPHON® A 150, for secure positioning on the key rods also in dark slide gate covers.



The *UM 200* microphone for picking up structure-borne noise features a very wide frequency response and is extremely sensitive in the low frequency range. This makes the *UM 200* perfect for recording even the quietest noise, particularly on plastic pipes. The cable is extremely robust and can withstand heavy mechanical loads. This guarantees a long service life in daily use, even under the harshest of conditions. A high-quality plug and an extremely strong contact adapter make the *UM 200* microphone a professional all-rounder.



The *BM 200* ground microphone is ideal for paved surfaces. The extremely robust housing is optimally detached from the actual microphone capsule. A lifting mechanism ensures consistently perfect contact with the ground. Small surface bumps, therefore, no longer affect results.



The *BM 230* ground microphone is better suited to unpaved surfaces. The solid tripod ensures a consistently secure position. If the ground is particularly soft, an extra spike can be screwed in to allow even better noise transmission.



Universal sensor interface

The microphone is securely connected to the *TS 150* carrying rod thanks to a star knob screw and a sturdy, form-fit mounting. The sensor interface on the carrying rod ensures that the microphones are reliably detected. In the past a special test rod and a carrying rod were required for ground microphones but the *TS 150* now performs both functions. It records the relevant microphones depending on the application. The *TS 150* does not need to be charged. The microphones are supplied with power by a high-performance rechargeable battery in the *A 150*, which guarantees reliable operation for at least 16 hours.



The system case offers sufficient space to safely hold all components of the system. Both the receiver and the *F8* wireless headphones can be simultaneously charged. Charging equipment is available for the measuring vehicle as in the workshop or office.

The benefits of the *AQUAPHON® A 150*

- An extremely **compact, lightweight, practical housing** complete with belt clip – for convenient, **effortless carrying** and maximum freedom of movement
- High-quality piezo microphones with frequency responses optimised especially for leak detection to cover every application, simple changeover ensured
- **Automatic frequency scanning and frequency ranges** that can be individually adapted to the user's hearing for reduced sound interference and optimum filter selection
- **Long availability periods** – no need for recharging – thanks to high-performance rechargeable battery technology
- An illuminated display with an optimised tilt angle and auto-switch display (180° rotation) for **easy read-off from the receiver, irrespective of position**

Please contact us for a comprehensive quotation, including additional technical specifications and information on accessories.