

# AQUAPHON® A 200 – Electro-acoustic water leak detection: professional – flexible – intelligent

## Ideal for detecting leaks in water pipe networks

When it comes to detecting leaks in water pipes by electro-acoustic means, the hearing and experience of the user are paramount. Thanks to the outstanding quality of its microphone and measuring technology, intelligent analysis functions, and the practical, visual representation of results on the display, the **AQUAPHON®** system supports and simplifies this detection process.

## The measurement principle

The water flowing out of the leak in the pipeline causes the pipeline material to vibrate. These vibrations are transmitted throughout the line and can be picked up as structure-borne noise, even at distant contact points such as fittings. The vibrations are also transmitted up through the ground to the surface as ground-borne noise, although this is very muted. The **AQUAPHON®** system is your perfect companion for leak detection as it makes the vibrations audible to the human ear and records and visually displays the volume and frequency spectrum.

## Most reliable leak detection ever

This cutting-edge system offers comfortable, wireless handling, ease of use, versatility and a sturdy, ergonomic design. The **AQUAPHON®** system is ideal for both the prelocation and pinpointing of leaks for confident excavation. It is suitable for all your leak detection challenges and will help you locate leaks safely and reliably.

## Intelligent system in practice

- The **AQUAPHON®** system is completely wireless as the **TS 200** carrying rod, **AQUAPHON® A 200** receiver and **F6** wireless headphones communicate by **Sewerin Digital Radio (SDR)**. Not only does this allow you incredible freedom of movement, it also offers a much greater sound quality without interference from swinging cables.
- The system is operated without buttons or switches using the sturdy 5.7 inch VGA display with touch screen. It offers excellent readability, even in strong sunshine, and can also be operated with gloves. The display is clear and features large, distinct symbols.
- The **AQUAPHON® A 200** receiver guides you through the various applications with instructions, which means that even less experienced and occasional users can operate the device reliably.
- Safety thanks to customisable hearing protection. The signal in the headphones can either be muted or completely switched off if there is any sudden loud interference noise, e.g. passing vehicles, or the microphone slips off the valve rod extension. Once the source of interference goes quiet, the hearing protection automatically switches back off again.

## Components

The system case provides ample space to safely hold all the components of the **AQUAPHON®** system. The **TS 200** carrying rod, the **AQUAPHON® A 200** receiver and the **F6** wireless headphones can be charged at the same time. Chargers are available for the vehicle as well as for the workshop and office.

