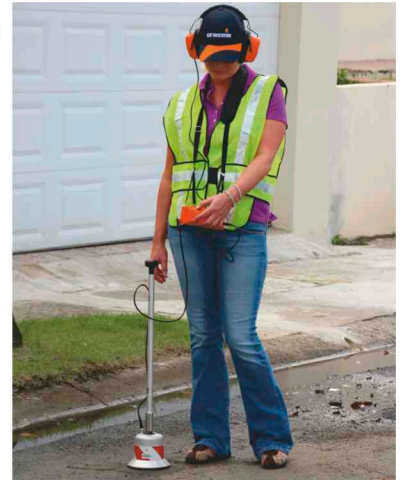


# AQUAPHON® A 100 – Standard and professional kits

## Electro-acoustic Water Leak Detection

When a pressurized water pipe develops a leak, the water flows out into the surrounding soil at high speed. Structure-borne noise is then created by the vibration of the pipe as the high pressure water exits the leaking pipe. This vibration or noise can often be heard at contact points along the pipe such as valves, hydrants and service lines with amplification provided by the **AQUAPHON® A 100**.



## Surveying with a test rod

Metal pipe materials transmit structure-borne sound over particularly long distances. The test rod is ideal for helping to determine if a leak does, in fact, exist in the pipeline systems.

## Location pinpointing with ground microphone

Non-metal pipe materials are less effective at transmitting structure-borne sound than metal ones. Simply checking the pipeline fittings with the test rod does not usually produce satisfactory results. The length of piping between the fittings also has to be examined with the ground microphone. Using the ground microphone at regular intervals enables the leak to be located with sufficient accuracy for confident excavation. The **AQUAPHON® A 100** displays an accurate visual comparison of the noise intensities.

## Features of the **AQUAPHON® A 100**

- Automatic microphone recognition – appropriate frequency settings automatically selected
- Digital signal processor – for significant reduction of hissing
- Hearing-protection function – operator's hearing no longer in danger
- Filter-optimisation function – makes even difficult to distinguish sounds easier to hear
- Minimum noise level function – displays the lowest level of noise. More useful than the loudest!

