

# **AQUAPHON® AF 50** **FERROPHON® FG 50**

The ready-to-use package solution  
for pipeline and water leak locating  
in buildings  
compact – precise – efficient



# AQUAPHON® AF 50 • FERROPHON® FG 50



This complete package solution based on the **AQUAPHON®** and **FERROPHON®** series offers the detection professional a range of possibilities for precisely pinpointing pipelines and leaks in buildings. The package includes an **AQUAPHON® AF 50** receiver and **FERROPHON® FG 50** generator. A sturdy case offers sufficient space to safely store the system components and can even be used to charge an **FG 50** generator, an **AF 50** receiver and headphones at the same time.

## Compact **FG 50** generator

The **FG 50** generator is used to transmit alternating current along metallic lines. With a maximum output of 1 W and thanks to its compact and lightweight design, the **FG 50** generator is ideal for use in buildings. Different frequencies (512 Hz, 1.1 kHz or 9.95 kHz) are available depending on the detection task. When in operation, the device shows the power setting, selected frequency, charge status and output current.

## Efficient **AF 50** receiver

The **AF 50** receiver was designed especially for pinpointing pipelines and leakages in buildings.

Thanks to its compact design and low weight, the **AF 50** is perfect for everyday use. The integrated belt clip and **EA** carrying strap offer maximum comfort when carrying, enabling users to work for a long time without tiring.

The **AF 50** receiver's powerful rechargeable battery enables users to work for days without needing to recharge.

When a microphone or search coil is connected, the **AF 50** recognises them and automatically switches to the right operating status – the system is ready for use as soon as a component is attached.



## Accurately pinpointing pipelines

The **FG 50** generator was designed specifically for pinpointing metallic pipelines in buildings. To do this, the **FG 50** is connected directly to the pipeline to be located. Attachment points include things like fittings, etc. The galvanic connection is made using cables and terminal clamps. Pipelines can also be energized over greater distances with the help of the cable coil with 25 m measurement cable.

Switching on the **FG 50** generator will create an electromagnetic field around the pipeline. This field can then be detected by the **AF 50** receiver and **SK 3** search coil. The signal strength is displayed on the **AF 50** receiver screen and the locating signal can be heard clearly through the **F8** wireless headphones.



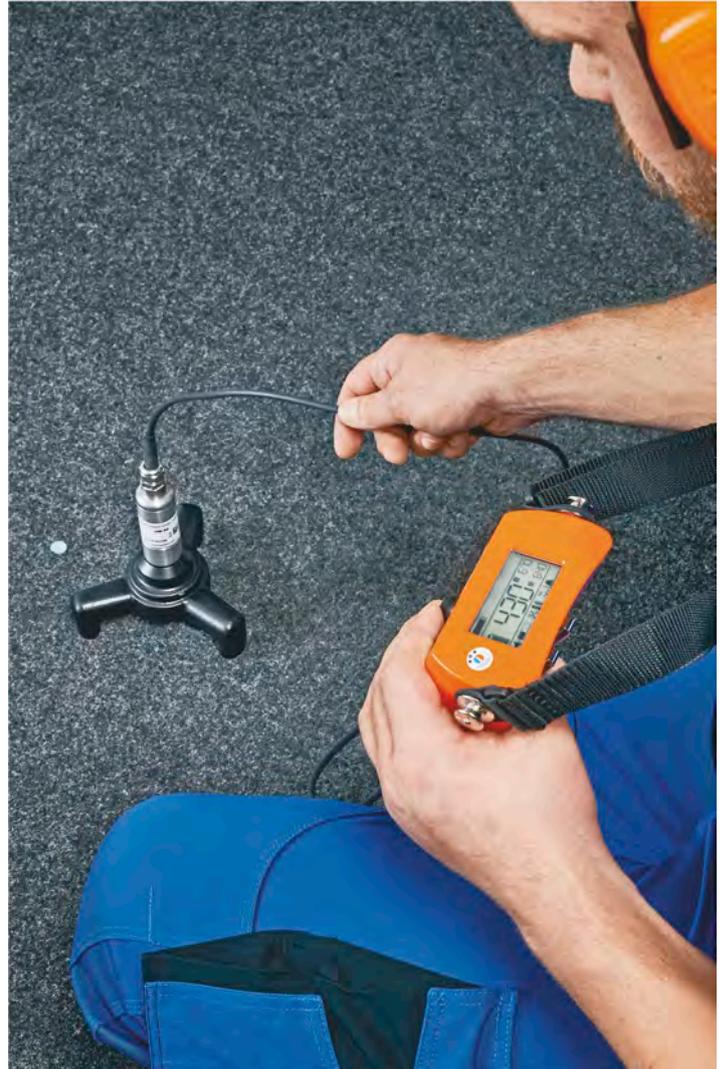
# compact – precise – efficient

## Accurately pinpointing leaks

Leaks can be pinpointed safely and efficiently with the help of the **AF 50** receiver and connected **UM 50** universal microphone. A range of accessories (e.g. probe tips, contact adapters or tripods) for optimum connection to different contact points or to the ground are available. Sophisticated filter technology allows individual adjustment of frequency ranges in order to reduce sound interference. The **F8** wireless headphones provides excellent play-back of recorded sounds.

## Your benefits of the **AF 50** and **FG 50** package solution

- **Optimised package solution for professional installers** for pinpointing pipelines and acoustic water leakage in buildings
- **FG 50 generator and AF 50 receiver** as well as system components included in a sturdy case
- **Excellent sound quality** when pinpointing water leaks thanks to outstanding microphone technology
- **Accurate pinpointing** thanks to easy-to-handle **SK 3** search coil
- **Outstanding sound quality** thanks to comfortable **F8** wireless headphones
- **User-friendly water leak detection in buildings** thanks to wide range of accessories
- **Reliable galvanic connection of FG 50 generator** thanks to specially designed set of cables
- **Effortless carrying of AF 50 receiver** on a belt
- **Professional pipeline detection (even long pipelines)** when using 25 m cable coil



## Components

Distinguishing features of the **UM 50** universal microphone are its wide frequency response and extreme sensitivity. This makes the **UM 50** perfect for recording even the quietest noise, even inside buildings. Leaks can be detected even in difficult to access areas in buildings with just a few short keystrokes.

The **SK 3** search coil is ideal for pinpointing hidden metallic pipe-lines in buildings. With a receiving frequency of between 50 Hz and 9.95 kHz, it is perfect for this task. Pinpointing using the minimum and maximum method is possible depending on the orientation of the **SK 3** to the energized line.

The **Universal** set of cables includes all of the components for connecting to the **FG 50**.

- Splitter cable
- Cable coil 25 m
- Measurement cable 1 m
- Red and black terminal clamps
- Earthing spike

The **SK 10** system case offers sufficient space to safely hold all the components. The **AF 50** receiver, **FG 50** generator and **F8** wireless headphones can all be charged simultaneously.



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