

FM 5310 Ultrasonic Leak Detector



Find possible leaks

leak detector for pneumatic systems

- Finds leaks in compressed air system easily even from distance
- Full support for Leak Surveys with our Leak Management System (LMS)
- The perfect tool for professional leak detection
- Fast return on investment
- Easy to use, but powerful in performance

Mode of Operation

MFM 5310 is an ultrasonic leak detector that helps users quickly find and record leakages in compressed air or any gas systems. The built-in touch screen assists the user easy operation in leak detecting. Photographing and voice recording make leak surveys more flexible and efficient. MFM 5310 is designed to work with our LMS (Leak Management System) to enable companies to properly manage their leakage detection and repair activities, either through cloud based service or local server installation.

Features

- High resolution 3.5" color touch screen
- Mass Storage - Almost unlimited memory for leak records, photos and voice recording
- Wireless connection to headset
- Wi-Fi to upload/download survey data and settings
- Photograph leak parts - Built in camera to take photo of leak locations
- Voice recorder for voice memos
- Laser - Pinpoint locations with laser pointer
- Finds leaks in compressed air system easily even from distance
- Analysis - Records leak information for statistics and repair
- Loss calculate - Calculates air loss in m³/h and in local currency
- Integrated noise reduction
- Long Working Hours - Battery capacity for up to 8 hours

Cost saving

Compressed air is one of the most expensive types of energy. In Germany alone, 60,000 compressed air systems consume 14,000,000,000 kWh of electricity annually. 15 - 20% of this could be saved in a simple way (Peter Radgen, Fraunhofer Institute, Karlsruhe). Most of the costs are caused by leakages in compressed air systems, the compressed air escapes unused.

Calculation example at 0,6 Mpa:
1 hole of 1 mm diameter causes 270 Euro/year

Applications



Ultrasonic Leak Detector MFM 5310



Leak detection with focus tube



Leak detection from distance with the integrated laser pointer

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Analysers from HTK

We are your partner for tailor-made gas analysis technology

The use of fixed and mobile gas analysers is widespread in many industries, and the demand continues to grow.

HTK Hamburg develops and builds equipment to provide effective solutions, from the small manual analyser up to the complex analysis unit in the food sector, welding & cutting and in many other industries.

Planning, manufacturing, service and calibrating analysers for the measuring gases such as O₂, CO₂, H₂, SF₆ - and many more - isn't a challenge for us; it's our mission each and every day.

Our aim is to ensure safe, consistent and accurate analysis in your process - thus maintaining quality.



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Technical Data

Principle of measurement	Ultrasonic leak detection
Measuring medium	Compressed Air, refrigerants and any compressed gases
Measurement bandwidth	35 – 45 kHz
Plug	3.5 mm stereo phone jack for head set
Operating temperature	0 ... 40°C
Battery life	About 8 Hours
Charging temperature	10 ... 45°C
Charging time	Around 3 hours
Housing material	PC + ABS
Interface	Wireless connection to headset USB for charging and data exchange Wi-Fi
Display	3.5" colour LCD
Laser pointer	640 ... 660 nm wavelength 0.4 ... 0.5 mW output power
Camera	5,0 Mega Pixel
Headset	Noise isolated

Scope of delivery

- FM 5310
- Wireless head set
- Charger
- Focus tip
- Focus tube
- Trumpet
- Case



Option: Ultrasonic tone generator to be used in pressure less systems. The generator emits ultrasonic waves which can be detected by the FM 5310

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