

Ultrasound Leak Detector

- **testo sensor LD**
- **testo Sensor LD pro ultrasonic detector kit (with integrated camera)**

testo sensor LD

Robustness and a low weight ensure non-tiring use in industrial surroundings

Improved detection of leaks thanks to sound funnel

Modern, high-capacity Lithium ion rechargeable battery

Operating time min. 10h

Easy operation via membrane keypad

testo sensor LD pro with add ons:

Continuous operation for 9 hrs

With integrated camera: display and storage of leaks in the image

Direct display of the leakage rate in l/min and the costs in EUR

Transmission of leakage data to the PC via USB

Easy creation of a report in accordance with ISO 50001 with the Testo Leak Software



The testo Sensor LD pro ultrasonic detector kit meets the requirements for class I instruments of the "Standard Test Method for Leaks Using Ultrasonics" standard (ASTM Int. - E1002-05).

Gases escaping from leaks in pipe systems (e.g. corrosion, untight screw connections etc.) cause noises in the ultrasonic range. With the testo Sensor LD, even the smallest leaks, which are not audible for the human ear, and due to their size are not visible, can already be localized from several metres away. The testo Sensor LD converts the inaudible ultrasound into audible frequencies. These sounds can be perceived even in loud surroundings with the comfortably worn, sound-proof headphones. The testo Sensor LD leak detector stands out thanks to its highly accurate sensor technology and improved support in

the detection of leaks (e.g. in compressed air, gas, steam and vacuum systems, refrigeration systems, door seals). With the help of an integrated laser pointer which acts as a sighter, the leak can be more accurately localized.

Furthermore, with the testo Sensor LD pro ultrasonic detector kit, the leakage data can be transmitted to the Testo Leak Software via a USB interface. Once the data have been exported to the software, clear reports can be created for documenting the leaks that have been found.

Technical data

testo Sensor LD

Included in delivery:
testo Sensor LD leak detector for compressed air systems incl. transport case, sound-proof headphones, directional tube with tip, mains plug unit, sound funnel



Order no. 8800 0301

Working frequency	40 kHz +/- 2 KHz
Connections	3.5 mm phone jack for headphones Mains unit port for connecting an external charger
Laser	Wavelength: 645 to 660 nm Output: < 1 mW (laser class 2)
Operating time	10 hrs
Charge time	approx. 1.5 h
Operating temperature	0 to 50 °C
Storage temperature	-10 °C to +50°C
Standard	Corresponds to the requirements of Class 1 instruments of the "Standard Test Method for leaks using Ultrasonic" (ASTM Int. - E1002-05)

testo Sensor LD pro ultrasonic detector kit

Included in the scope of delivery:

- testo Sensor LD pro leak detector with sound funnel and integrated camera
- Transport case
- Sound-proof headphones
- Directional tube and tip
- Mains adapter
- Spiral cable for connecting the ultrasonic sensor, length 2 m (extended)



Order no. 8900 0501

Working frequency	40 kHz ±2 kHz
Connections	3.5 mm jack plug for headphones, mains unit socket for connecting an external charger
Laser	Wavelength: 645 to 660 nm Output power: < 1 mW (laser class 2)
Display	3.5" touchscreen
Interface	USB interface
Data logger	2 GB SD memory card
Operating time	9 hrs in continuous operation
Charging time	Approx. 4 hrs (internal Li-ion rechargeable batteries)
Operating temperature	0 to 50°C
Storage temperature	-10 to +50°C
Standard	Meets the requirements for class 1 instruments of the "Standard Test Method for Leaks Using Ultrasonics" standard (ASTM Int. - E1002-05).
EMC	DIN EN 61326
Auto level	Automatically adjusts sensitivity to the surroundings and reliably blocks out ambient sounds.
Sensitivity	Min.: 0.1 l/min at 6 bar, 5m distance, approx. 1 EUR/year compressed air costs



Saved leakage data are exported to the Testo Leak Software for reporting using a USB stick.

Export to the Testo Leak Software means the following leakage data are available for processing:

- Image of the leak location
- Date/time
- Company name/department/machine
- Size of the leak in litres/min (unit adjustable)
- Costs of the leak per year in EUR (currency adjustable)

Leakage report for ISO 50001 audits



The report simply and clearly documents all the leaks that were found and provides an overview of the overall leakage amount and overall leakage costs. The leakage report is suitable for submission for ISO 50001 audits.

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