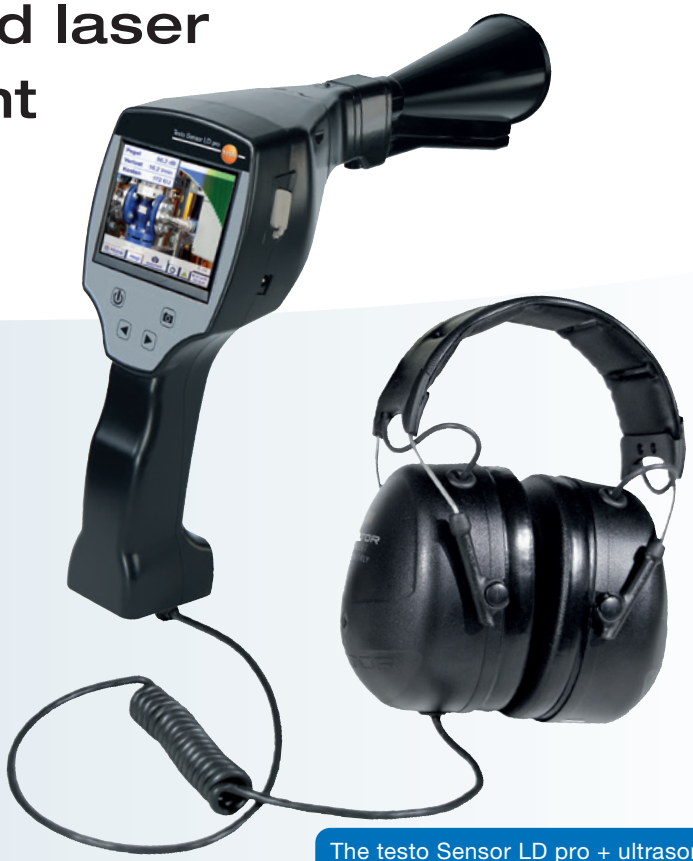
Be sure. testo

Leak detector with integrated camera and laser distance measurement

testo Sensor LD pro + ultrasonic detector kit



- Improved localization of leaks thanks to sound funnel
- Robustness and a low weight ensure non-tiring use in industrial environments
- Continuous operation for 9 hrs
- Easy operation via touchscreen
- 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
- Integrated laser distance measurement for automatic cost determination
- Carrying holster for ergonomic work

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, leaky screw connections, etc.) cause noises in the ultrasonic range. With the testo Sensor LD pro + ultrasonic detector kit, even the smallest leaks, which are not audible to the human ear and not visible due to their size, can already be localized from several metres away. The testo Sensor LD pro + converts the inaudible ultrasound into audible frequencies. These sounds can be perceived even in noisy environments with the sound-proof headphones that are comfortable to wear. The low weight and the holster with shoulder strap enable ergonomic and safe work.

The testo Sensor LD pro + ultrasonic detector kit impresses thanks to its high-precision sensor technology and improved support in the detection of leaks (e.g. in compressed air, gas, steam and vacuum systems, refrigeration systems, door seals). The leak can be more accurately localized thanks to the integrated laser pointer which acts as a sighter. This simultaneously measures the distance to the leak so that the costs generated by the leak can be determined automatically.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 pro + ultrasonic detector kit

Included in the scope of delivery:
- testo Sensor LD pro + leak detector with sound funnel and integrated camera incl. laser distance measurement
- Transport case
- Sound-proof headphones
- Directional tube and tip
- Mains adapter
- Carrying holster
- Spiral cable for connecting the ultrasonic sensor, length 2 m (extended) length 2 m (extended)

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Saved leakage data are exported to the Testo Leak Software V2 for reporting using a USB stick.

Export to the Testo Leak Software V2 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)

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

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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