

# Leak detector with UltraCam

## testo Sensor LD pro ultra ultrasonic detector kit

Enormous time saving compared to  
conventional leak detectors

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

30 MEMS microphones create the image of the leaks

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 V2

Integrated laser distance measurement  
for automatic cost determination

Carrying holster for ergonomic work



The testo Sensor LD pro ultra ultrasonic detector kit meets the requirements for Class I instruments of the "Standard Test Method for Leaks Using Ultrasonics" standard (ASTM Int. E100205).

Gases escaping from leaks in pipe systems (e.g. caused by corrosion, leaky screw connections, etc.) cause noises in the ultrasonic range. With the testo Sensor LD pro ultra 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 ultra converts the inaudible ultrasound into audible frequencies. The comfortable, sound-proof headphones allow these sounds to be heard even in noisy environments. The low weight and the holster with shoulder strap enable ergonomic and safe work.

The testo Sensor LD pro ultra ultrasonic detector kit impresses with the latest and highly accurate sensor technology (30 MEMS microphones) and improved support when detecting leaks, e.g. in compressed air, gas, steam and vacuum systems, refrigeration systems, door seals, etc. 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.

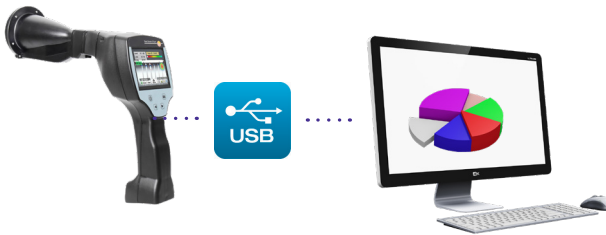
# Technical data

## testo Sensor LD pro ultra ultrasonic detector kit

Included in the scope of delivery:

- testo Sensor LD pro ultra leak detector with sound funnel and integrated camera incl. laser distance measurement and UltraCam
- Transport case
- Sound-proof headphones
- Directional tube and tip
- Mains adapter
- Carrying holster
- Spiral cable for connecting the ultrasonic sensor, length 2 m (extended)
- Testo Leak software V2

Order no. 8900 0701



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

Export to the Testo Leak software V2 means the following leakage data are available for processing:

- Picture of the leak
- 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 $\pm$ 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 loggers	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, 5 m distance, approx. 1 EUR/year compressed air costs



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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Subject to change, including technical modifications.

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