



econ leak detection – precise localization for cost efficient damage minimization

Discover a new era of leak detection! Equipped with 30 MEMS microphones, the UltraCam LD 500 visualizes ultrasonic images and brings inaudible ultrasound to life. The decisive advantage: optical leakage visualization in real time, even in noisy production environments.

The innovative laser target technology enables precise measurements of leakage rates and associated costs.

An efficient, automatic measurement process delivers accurate results.

A product for:

- Production and manufacturing companies
- Industries with noisy environments
- Users with a need for efficient and precise leak detection who want accurate measurements and costs

Optical leakage display in real time

The UltraCam LD 500 uses 30 MEMS microphones to calculate and visualize ultrasound images. In addition, the device makes ultrasound, which is normally inaudible to the human ear, audible. The advantage over conventional leak detectors is the visual representation of the leak in real-time, even in noisy environments during production. Ambient noise is suppressed. The device already shows the leakage rate in l/min or cfm on the display, as well as the savings potential in €/year. This data is stored together with the photo.

All the saved data and photos are then imported into the **econ4 measures tool**. A measure is created for each leak and can be assigned to any person for elimination.

With the LD 500, the smallest leaks (0.1 L/min corresponds to approx. 1 € p. y.) can be detected and documented even at great distances.

Your advantages:

- Enormous time saving compared to conventional leak detectors
- Possibility of entering compressed air costs in the device
- Definition of location
- Eliminating the leak
- Spare parts list in the device
- Determination of savings potential
- Creation of measures in econ4
- Data transfer via USB to your PC
- Paperless documentation
- Ergonomic one-handed operation
- Low weight
- 9 hours of continuous operation possible



Technical information





- LD 500 leak detector with UltraCam, integrated camera, 30 ultrasonic microphones for visualizing the leak on the screen, incl. 100 leak tags
- Automatic sensor detection
- 30 MEMS microphones for image creation
- Auto level: Automatically adjusts the sensitivity to the environment and reliably masks ambient noise
- Brightness sensor for dark surroundings
- Unique laser distance measurement for automatic cost determination
- Report generation according to ISO 50001 in econ4
- Integration into econ4 possible



To the data sheet

UltraCam LD 500

Versions, extension modules and accessories

Product	Description	item no.
	<p>Set UltraCam with leak detector LD 500</p> <ul style="list-style-type: none"> LD 500 leak detector with UltraCam, integrated camera, 30 ultrasonic microphones for visualizing the leak on the screen, incl. 100 leak tags Transport case Soundproof headphones Alignment tube with alignment tip Plug-in power supply Spiral cable for connecting the ultrasonic sensor, length 2m (extended) Holster with shoulder strap 	EC251258
	<p>Set leak detector LD 500</p> <ul style="list-style-type: none"> LD 500 leak detector incl. acoustic funnel, with integrated camera, incl. 100 leak tags Transport case Soundproof headphones Alignment tube with alignment tip Plug-in power supply Spiral cable for connecting the ultrasonic sensor, length 2m (extended) Holster with shoulder strap 	EC251259
	<p>Gooseneck</p> <ul style="list-style-type: none"> For leak detection in hard-to-reach places (length 600 mm) 	EC251260
	<p>Parabolic mirror</p> <ul style="list-style-type: none"> For leak detection over long distances, incl. transport case 	EC251261