


CS ULTRALYDSPRODUKTER

PRISLISTE

Varenummer	EP-model	Beskrivelse	Pris DKK / stk.
	0601.0103	LD 300 Detektorsæt Bestående af: LD 300 Detektor 0560.0102 Ultrasonic sensor 0605.0001 Hovedtelefon med høreværn 0554.0102 Retningssonde standard 0530.0101 Kabel for sensor 0553.0101 Batterioplader 0554.0001 Aluminiumskuffert 0054.0101	10.700,00
Ekstra udstyr			
	0554.0103	Ultralydsgenerator Anvendes sammen med ultralydsdetektor for hurtigere lækagesøgning på beholdere, bilruder m.m.	1.900,00
	0530.0102	Teleskopstang 3 x 120 cm	2.750,00

Alle priser er ekskl. moms og levering.

Januar 2009 DKK



LD 300 leak detector

If gases escape through leaks ultrasonic noises are generated. By means of the LD 300 leakages can be detected in the ultrasonic range even from distances of several meters. LD 300 transforms the inaudible signals into a frequency which can be identified by means of the provided sound-proof headset. In depressurized systems an ultrasonic tone generator can be used of which the signal travels through smallest openings.



Sound-proof headset enables leak detection in extremely noisy environments



Focus tube with focus tip avoids influence by ambient noise and enables precise locating of leakages



Holding device of LD 300 at the telescope bar

The **telescope bar** helps locating leakages in pipelines up to a height of 6 m



Applications:

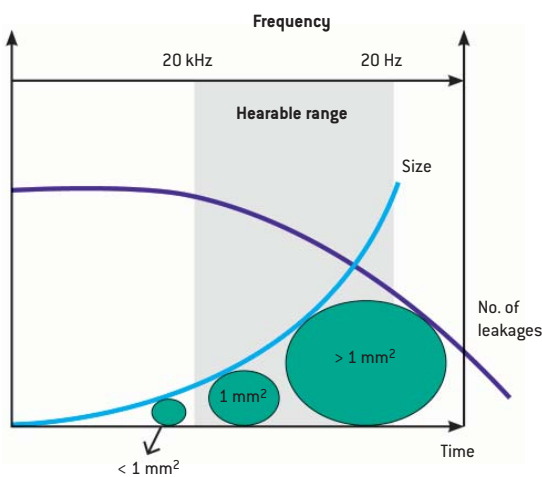
Leak detection in:

- Compressed air lines, gas, vapour and vacuum plants
- Refrigerating plants
- Door seals

LD 300 leak detector

Cost saving

In Germany 60,000 compressed air plants use 14,000,000,000 kWh electrical energy per year. 15 to 20 % could be easily saved (Peter Radgen, Fraunhofer Institut, Karlsruhe). Most of these costs are caused by leakages in the compressed air system. The air "escapes" unused. **1 leak with a diameter of 1 mm = 270 EUR/year. The LD 300 will be payed off after 4 leakages.**



- hole size increases over time
- the human ear can only hear leakages which are bigger than 1 mm^2 at 7 bar
- until they are noticed 10 small leaks may cause a loss of 7,000 Euro/year



The integrated laser facilitates the the detection of leaks.



Description	Order no.
Set LD 300 leak detector consisting of:	0601 0103
LD 300 leak detector	0560 0102
Ultrasonic sensor	0605 0001
Sound-proof headset	0554 0102
Focus tube with focus tip	0530 0101
Cable for ultrasonic sensor	0553 0101
Battery charger	0554 0001
Transport case	0554 0101
Accessories, not included in the set:	
Ultrasonic tone generator	0554 0103
Telescope bar 3 x 120 cm	0530 0102

Technical data LD 300

Working frequency: 40 kHz \pm 2 kHz

Connections:

- 1) 4-pole connection for headset and battery charger
- 2) 3.5 mm stereo socket for sensor and cable connection

Laser:

wave length: 655...660 nm
output power: 0.4...0.5 mW

Power supply: internal NiMH rech. battery

Operating duration: approx. 6 hours without laser, approx. 4 hours with laser

Charging time: approx. 1.5 hours

Operating temp.: 0 to 40 °C

Storage temp.: -10 to 50 °C

Telescope: 3 x 120 cm