

Principle:

Every year, leaks in compressed air and gas installations result in substantial, unnecessary energy costs. If gases escape unused due to leakage, noise that cannot be heard by the human ear is created. The LS 100 picks even smallest leaks from a distance of several meters. It transforms the inaudible signals into a frequency which is indicated both visually and audibly – by the display and through the padded headset that is shipped with the unit.

Applications:

Leak detection in compressed air, gas, steam and vacuum systems (not suitable for helium)



Advantages of the LS 100:

- Fast and simple measurements, even from a distance of several meters
- Measurements can be carried out "on the fly" without disrupting operation
- High cost saving means a short payback period
- Not affected by the presence of wind or airborne contaminants because the acoustic frequency is in the ultrasound range

Included in the handy carrying case:

- LS 100 leak detector
- Ultrasonic sensor
- Extension cable for ultrasonic sensor
- Focus tube with focus tip
- High-comfort, padded headset
- Battery charger
- Carrying case



Optional accessories:

Aluminium extension tube, 3 x 120 cm, helps locate leaks up to a height of 6 m.

Working frequency	40 kHz ± 2 kHz
Connection	4-pole connection for headset and battery charger 3.5 mm stereo socket for sensor and cable connection
Laser as an visual tools	Wavelength: 655 to 660 nm Output power: 0.4 to 0.5 mW
Power supply	Internal NiMH rechargeable battery
Operating time	Approx. 6 hours without laser / 4 hours with laser
Charging time	Approx. 1.5 hours
Application temperature	0 °C to +40 °C
Storage temperature	-10 °C to +50 °C

Leak detector		
Art. No.	Ident No.	Description
LS 100	101627	Leak detection device, including accessories in a practical carrying case

Accessories for leak detector		
Art. No.	Ident No.	Description
LS-T	101628	Aluminium extension tube with fixing elements, 3 x 120 cm

Scope of delivery



Description	Art. No.
LS 100 Leak Detector set consisting of:	LS 100
LS 100 Leak Detector	LS 100-1
Sensor unit	LS 100-2
Noise isolated head set	LS 100-3
Focus tube and focus tip	LS 100-4
Extension cable to detach sound probe from instrument	LS 100-5
Battery charger	LS 100-6
Transport case	LS 100-7
Accessories not includes in set:	
Aluminium extension tube with fixing elements, 3 x 120 cm	LS-T

Use with aluminium extension tube

