

Leak Detector LDE-10

[For use in many applications]

Ultrasonic detection

As a gas or liquid passes through a small restrictive opening, ultrasonic noise is created. While this noise is imperceptible to the ear it is very easily located by the LDE-10 using the ultrasonic probe.

The ultrasound is indicated by an LED-array and an audible tone through the earphone headset. As the instrument is moved closer to the ultrasonic source more LED's will light up. Simultaneously, the frequency of the tone rises.

Tightness control in non-pressurized compartments such as containers, tanks, cars, ships etc. with the LDE-10 requires the use of the ultrasonic transmitter LDF-13.

The transmitter is placed inside the compartment under investigation and switched on to emit an ultrasonic signal. This signal will pass through any orifice or faulty seal and will be quickly located by the LDE-10. The instrument is very easy for anyone to use and requires no special training or skills.

Technical data

Visual indicator	LED-array
Audible indicator	VCO 0–5 kHz
Sensitivity	Adjustable 50 dB
Min. detectable sound pressure	1 nbar in the 25–40 kHz
Casing	ABS moulding
Temperature range	0° to +55° C
Battery	9 V, IEC type 6LF22
Dimensions	215 x 50 x 40 mm
Weight	240 g

Ordering numbers

LDE-10	Leak detector
LDF-10	Ultrasonic microphone
LDF-11	Extension tube
LDF-12	Ultrasonic probe
ELT-10	Probe tips, 60 and 290 mm
LDF-13	Ultrasonic transmitter
EAR-10	Earphone, incl. cable CAB-10
CAB-10	Cable



Leaks in pressure and vacuum systems



Leaks in hydraulic systems



Control of tightness with ultrasonic transmitter



LDE-10 with accessories



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