

# Ultrasonic Leak detector

## PCE-LDC 10



**Leak detection with sound / noise measurement**

**Including acoustic trumpet and focus tube with focus tip; sound-proof headset; rechargeable Li-ion battery; operating duration 10h**

Leakage detection by using the **PCE-LDC 10** will be applicable for compressed air, gas, steam and vacuum systems.

If gases escape through leaks in piping systems (e. g. untight screwed connections, corrosion, etc.) ultrasonic noises are generated. Even the smallest leakages which cannot be heard by the human ear and which are not visible due to their size can be detected even from distances of several meters. The **PCE-LDC 10** transforms the inaudible signals into a frequency which can be identified. By means of the comfortable sound-proof headset these noises can be heard even in extremely noisy environments.

By means of the integrated laser pointer for targeting, the leak can be localised more accurately.



Due to a particularly designed acoustic trumpet a better focusing of the acoustic waves is achieved. This acoustic trumpet acts like a directional microphone while interfering ambient noises are cushioned and the accurate localization of the leakages is eased even in areas which are difficult to access. Due to the special design of the acoustic trumpet the use of the laser pointer is not obstructed.



Acoustic trumpet

Focus tube with focus tip

### Technical details

Working frequency	40 kHz $\pm$ 2 kHz
Connections	3.5 mm stereo jack for headset Power supply socket for connecting an external recharger
Laser	wave length: 645 ... 660 nm output power: < 1 nW (laser class 2)
Operating duration	10 hours
Charging time	approx. 1.5 hours
Operating temperature	0 ... 40 °C
Storage temperature	-10 ° ... 50 °C

### Delivery content

PCE-LDC 10 Leak detector, Transport case, Sound-proof headset, Focus tube with focus tip, Battery charger, Acoustic trumpet, Manual

