GAS DETECTOR

PCE-LDC 20

» **Leak detection**

» **Leakage assessment**

» **Various attachments**

» **Battery-operated handheld device**

» **Colour touch display**

» **Wireless headphones**

The Gas Detector for gas pressure systems is an effective solution for detecting and evaluating leaks in compressed air and other non-explosive gas pressure systems. The measured leaks can be recorded and analysed within the software, the escape of compressed air causes high electricity costs as compressors run more than they should. Detecting leaks at an early stage can save up to 30% in energy costs.

Small leaks in pressurised systems generate ultrasonic sounds that are inaudible to humans. By using an ultrasonic microphone, the gas detector can measure frequencies that exceed the perception limit of human hearing. The gas detector's high-quality measurement electronics convert the recorded ultrasonic sounds into sounds that the user can hear, which the gas detector transmits via Bluetooth or the 3.5 mm jack plug.

With this gas detector, the user can document even the smallest leaks, the gas detector can photograph the leak and record a voice memo. The device also provides information on how much compressed air or gas is escaping through the leak. The gas detector therefore enables precise and efficient leak detection and assessment.

Specification

General technical data	
Measuring functions	MAX, ALARM
Units	bar, psi, MPa, L/min, m³/h, cfm
Frequency	38 ... 42 kHz
Display type	LC touch display
Display size	3,5 Inch
Display refresh rate	1 x per second
Measuring rate	1 Hz
Storage medium	Internal memory
Storage capacity	1 GB
Microphone type	Electret capacitor
Other functions	Leakage assessment
Interface	USB-C, 3.5 mm jack, Bluetooth
Sensor	Ultrasound
Measured medium	non-explosive gases, Air, Refrigerant
Camera resolution	5 Megapixel
Operating time	6 h
Automatic power-off from...to	0 ... 60 min.
Laser	640 ... 660 nm wavelength, < 1.0 mW output power
Housing	ABS (acrylonitrile-butadiene-styrene copolymers)
Menu language	Turkish, English, Polish, Spanish, German, Chinese, Japanese, French, Portuguese, Czech, Korean
Protection class (device)	IP30
Power supply	5V DC 3 A (via USB-C)
Connector type	Device-europlug
Capacity	3500 mAh
Operating conditions	0 ... 40 °C , 0 ... 80 % RH
Storage conditions	-10 ... 50 °C , 0 ... 90 % RH
Dimensions (L x W x H)	230 x 100 x 62 mm
Other dimensions	Sound horn: L 130 Ø 60 mm Shotgun microphone + tip : L 190 Ø 14 mm, aperture Ø 1.5 mm
Weight	432 g
Other weights	Sound horn: 38.5 g Shotgun microphone + tip : 20.5 g