

GAS DETECTOR

PCE-HLD 10



- » **Bar display with traffic light function**
- » **Three adjustable sensitivities**
- » **Battery life of approx. 12 hours**
- » **Semi-rigid probe with a length of 40 cm / 15.7"**
- » **Audible and visual alarm**
- » **Automatic shutdown**

Hydrogen not only offers possibilities as an energy carrier and energy storage that have not been used so far. Due to its physical properties, it is also ideally suited for detecting leaks. With its hydrogen-selective sensor, the gas detector can detect the smallest leaks with a very low leak rate. Containers or lines that do not contain hydrogen can also be checked for leaks with the gas detector if they are filled with test gas containing hydrogen and then checked for leaks. The forming gas with five percent hydrogen and ninety-five percent nitrogen, which is already commercially available for other technical purposes, is well suited for leak tests.

Each time it is switched on, this gas measuring device automatically records the current hydrogen concentration in the environment and then only evaluates changes related to this concentration. The reset button does the same during leak detection. If the leak cannot be clearly identified, although all the indicator LEDs are already lit, the current hydrogen concentration can be set as the base value using the reset function and the position of the leak can be better localized. The gas detector can then be reset to low output values 20 in an unloaded environment by means of a reset.

Regardless of the level of the initial concentration, one of three different sensitivity levels can be set on the gas detector at the touch of a button. The selected sensitivity is indicated by the lighting up of a labeled LED.

Specification

General technical data	
Warm-up time	45 s
Operating time	12 h
Automatic power-off	10 min
Alarm	optical, Acoustic
Dimensions	Hose length: 40 cm
Sensitivity	High sensitivity >2 g/year Medium sensitivity >15 g/year Low sensitivity >30 g/year The sensitivity refers to 5%
Protection class (device)	IP20
(Rechargeable) battery	4 x 1,5 V AA battery , Alkali-manganese
Capacity	3000 mAh
Operating conditions	0 ... 40 °C , 0 ... 80 % RH
Storage conditions	-10 ... 60 °C , 0 ... 70 % RH
Dimensions (L x W x H)	213 x 65,5 x 53,5 mm
Weight	400 g