

THERMOMETER

PCE-COG 10



- » **Data memory for 5000 measuring points**
- » **Measuring range (CO²) 0 ... 9999 ppm**
- » **Export of measurement data in CSV format**
- » **Temperature and humidity measurement**
- » **Additionally with carbon monoxide sensor**
- » **Easy to read 2" LC display**

The thermometer has a measuring range of 0 ... 9999 ppm. In addition to the carbon dioxide measurement, the air quality detector also has a carbon monoxide (CO) sensor with a measuring range of 0 ... 1000 ppm and a temperature and humidity sensor. The air quality detector already covers a large range of measuring tasks. The air quality detector is therefore used, for example, in occupational safety to check the climatic conditions in office workplaces.

During the measurement, the readings are stored on the thermometer. Up to 5000 measuring points can be saved on the air quality detector. The CO² and CO content, as well as the temperature and humidity are saved by the air quality detector for each storage point. After a measurement run, the stored measurement values can be viewed directly on the air quality detector.

For further processing, the readings recorded by the thermometer can be transferred to a computer. The transfer takes place via the Micro-USB interface of the air quality detector. When connecting the CO and CO² meter to a computer, it is recognized as a mass data storage device. The saved measured values are saved by the air quality detector in CSV file format and can therefore be processed directly.

The built-in 1500 mAh battery in the thermometer enables mobile use. To charge the battery, the air quality detector can be connected to a 5 VDC power supply via the micro-USB interface.

Specification

CO ₂	
Measuring range	0 ... 9999 ppm
Resolution	1 ppm
Accuracy	±(3% of reading ±75 ppm)
CO	
Measuring range	0 ... 1000 ppm
Resolution	1 ppm
Accuracy	±5% F.S.
Relative humidity	
Measuring range	0 ... 20 %
Resolution	0,1 %
Accuracy	±5 %
Relative humidity	
Measuring range	20 ... 80 %
Resolution	0,1 %
Accuracy	±3.5 %
Relative humidity	
Measuring range	80 ... 100 %
Resolution	0,1 %
Accuracy	±5 %
Temperature	
Measuring range	0 ... 50 °C
Resolution	0,1 °C
Accuracy	±2 °C
Temperature	
Measuring range	32 ... 122 °F
Resolution	0,18 °F
Accuracy	±3.6 °F

General technical data	
Connections	1/4 inch tripod connection
Display type	LCD
Display size	2 Inch
Measuring rate	1 Hz
Storage medium	Internal memory
Storage capacity	5000 Data records
Storage interval from	1 min.
Storage interval to	1 h
Interface	Micro-USB
Automatic power-off from...to	2 ... 60 min.
Alarm	optical, Acoustic
file format	CSV
Menu language	English, Chinese, English (GB)
Protection class (device)	IP20
Power supply	5V DC, 1 A
Connector type	Device-europlug
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion battery
Capacity	1500 mAh
Operating conditions	0 ... 45 °C , 0 ... 95 % RH
Storage conditions	-10 ... 55 °C , 0 ... 95 % RH
Dimensions (L x W x H)	215 x 54 x 34 mm
Weight	154 g