

AIR QUALITY METER

PCE-AQD 5



- » **Display of CO, air temperature and humidity**
- » **2.4 inch LC colour display**
- » **Audible and visual alarm**
- » **Alarm levels: 51... 100 ppm, 101 ... 200 ppm, 201 ... 999 ppm**
- » **Integrated rechargeable battery**
- » **Compact design**

The air quality meter is used to monitor the concentration of carbon monoxide in the ambient air and detects elevated CO levels at an early stage. The air quality meter enables continuous monitoring of air quality and supports the rapid detection of potentially hazardous carbon monoxide concentrations.

The air quality meter features an electrochemical CO sensor with a measuring range of 0 ... 999 ppm CO, an accuracy of ± 5 ppm and reliable detection of carbon monoxide concentration. In addition to CO, temperature from $-10 \dots 50^{\circ}\text{C}$ / $14^{\circ}\text{F} \dots 122^{\circ}\text{F}$ and humidity from 0 ... 95% RH are also measured. Operation is intuitive via three buttons for switching on/off, alarm function and display brightness. Measurement is carried out at a measuring interval of 2 seconds, while the sensor warm-up time is approximately 35 seconds. The alarm range is 51 ... 999 ppm and is indicated by an audible and visual alarm display. The measured values are shown on a digital display. Power is supplied by an integrated lithium-ion rechargeable battery. The robust design with wrist strap and wall mounting option allows flexible use in a variety of environments.

The air quality meter is particularly suitable for anyone who requires reliable monitoring of indoor air quality, for example in homes, offices, workshops, garages or for mobile applications.

Specification

CO

Measuring range 0 ... 999 ppm

Resolution 1 ppm

Accuracy ± 5 ppm

Relative humidity

Measuring range 0 ... 95 %

Resolution 1 %

Accuracy ± 5 %

Temperature

Measuring range -10 ... +50 °C

Resolution 1 °C

Accuracy ± 5 %

Temperature

Measuring range 14 ... 122 °F

Resolution 1,8 °F

Accuracy ± 5 %

General technical data

Display type LC colour display

Display size 2,4 Inch

Interface USB-C

Sensor Electrochemical sensor

Sensor additional information CO sensor service life: 3-4 years

Warm-up time 35 s

Automatic power-off 60 s

Alarm optical, Acoustic

Measuring interval 2 s

Menu language English, English (GB)

Protection class (device) IP20

Power supply 5V DC, 1 A

(Rechargeable) battery 1 x 3,7 V internal , Lithium-ion battery

Capacity 1000 mAh

Operating conditions -10 ... 60 °C , 20 ... 80 % RH

Storage conditions -10 ... 70 °C , 20 ... 80 % RH

Dimensions (L x W x H) 90 x 55 x 20 mm

Weight 67 g