AIR QUALITY METER

PCE-AQD 6



- **Comprehensive 18-in-1 measurement (climate, gases & fine dust)**
- **Detailed pollutant and particle recording**
- **24-hour parameter trend curve**
- **Colour-coded traffic-light system from green to red**
- **Integrated rechargeable battery for flexible mobile operation**
- **USB-C connection for easy data export**

This versatile air quality meter enables seamless and highly precise monitoring of indoor climate conditions as well as potential pollutant exposure indoors. The device measures not only classic parameters such as temperature and relative humidity, but also the general air quality index (AQI) and critical gaseous pollutants, including CO2, CO, TVOC, HCHO and C6H6. In addition, the modern air quality meter offers differentiated particle measurement, breaking down fine dust in six different size classes from PM 0.3 to PM 10 in detail.

A clear, colour-coded display ensures quick and intuitive orientation in everyday use. The respective measured values are automatically classified based on the current level of exposure: from green for excellent air quality, through yellow and orange, to red, which signals an acute hazard. This visual warning system makes it possible to react immediately to poor air conditions and initiate targeted ventilation measures, allowing the 18-in-1 Air Quality Detector to be used optimally as a safety monitor.

Thanks to the integrated rechargeable battery, the compact air quality meter can be used flexibly and is not tied to a permanent power source, making spontaneous spot checks at changing locations easier. For further documentation and long-term analysis, the collected measurement data can be transferred easily to a computer in .txt format via the modern USB-C interface.

Specification

CO^2	
Measuring range	400 ... 5000 ppm
Resolution	1 ppm
Accuracy	±50 ppm or ±5% of measured value.
Formaldehyde	
Measuring range	0 ... 1,99 mg/m³
Resolution	0,001 mg/m³
Accuracy	±0.05 mg/m³
Particle	
Measuring channel sizes	0.3, 0.5, 1.0, 2.5, 5.0, 10
Measuring range	0 ... 999 µg/m³
Resolution	1 µg/m³
Accuracy	±10 µg/m³
TVOC	
Measuring range	0 ... 9,99 mg/m³
Resolution	0,001 mg/m³
Accuracy	±0.05 mg/m³
CO	
Measuring range	0 ... 999 ppm
Resolution	1 ppm
Accuracy	±10 ppm
Benzene	
Measuring range	0 ... 1,999 mg/m³
Resolution	0,001 mg/m³
Accuracy	±0.05 mg/m³
Relative humidity	
Measuring range	0 ... 99 %
Resolution	1 %
Accuracy	±5 % of Rd
Temperature	
Measuring range	-10 ... +50 °C
Resolution	1 °C
Accuracy	±2°C

General technical data	
Display type	TFT colour display
Display size	2,8 Inch
Storage medium	Internal memory
Storage capacity	2 GB
Memory capacity (additional information)	Data logging every 5 seconds, one memory file per month, data storage period 1 year
Data transfer	USB-C
Sensor additional information	CO sensor service life: 3-4 years
Housing	Plastic
Alarm	optical, Acoustic
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	2000 mAh
Performance	7,4 Wh
Operating conditions	-10 ... 50 °C , 10 ... 90 % RH
Storage conditions	-20 ... 55 °C , 10 ... 90 % RH
Dimensions (L x W x H)	90 x 70 x 35 mm
Weight	134 g