AIR QUALITY METER

PCE-RCM 7

- **LCD display 3.3 inch**
- **Calculation of the air quality index (AQI)**
- **Clock and date display**
- **Rechargeable battery via USB-C cable**
- **Automatic brightness adjustment**
- **Traffic light display when limit values are exceeded**
- **Acoustic alarm**
- **App with live data transmission**
- **WiFi connection**
- **Standby mode**
- **Wall mounting possible**

A modern air quality meter is indispensable for continuously monitoring the air indoors and drawing attention to pollutants or poor air conditions in good time. Especially in living spaces, offices, schools, nurseries or workshops, clean air makes a decisive contribution to health and well-being. An air quality detector also helps to permanently monitor indoor air quality in public facilities or production halls and to recognize potential hazards at an early stage.

Our innovative air quality meter records all the important parameters that are crucial for healthy indoor air. It measures TVOC (volatile organic compounds), PM1, PM2.5 and PM10 particulate matter, as well as temperature, humidity and CO_2 content. This gives you a comprehensive picture of the air composition and allows you to take targeted measures to improve indoor air quality.

The air quality meter has a clear 3.3-inch LC display that calculates and displays the air quality index (AQI) in addition to the current measured values. It also offers a clock and date display as well as automatic brightness adjustment for optimum readability. Thanks to its modern design, the device can be flexibly wall-mounted or free-standing. The integrated battery can be conveniently charged via USB-C cable.

A particularly practical feature is the traffic light display, which uses the colors green, yellow and red to provide an immediate warning when limit values are exceeded.

Specification

CO^2	
Measurement range up to	400 ... 5000 ppm
Resolution	1 ppm
Accuracy	±(50 ppm +5 % of Rd)
Relative humidity	
Measurement range up to	0 ... 99 %
Resolution	1 %
Accuracy	±5 % of Rd
Formaldehyde	
Measurement range up to	0 ... 1,999 mg/m³
Resolution	0,001 mg/m³
Accuracy	±30% v.Mw.
Particles	
Measurement range up to	0 ... 100 µg/m³
Resolution	1 µg/m³
Accuracy	±10 µg/m³
Measuring channel sizes	1.0, 2.5, 10
Particles	
Measurement range up to	100 ... 500 µg/m³
Resolution	1 µg/m³
Accuracy	±10% v.Mw.
Measuring channel sizes	1.0, 2.5, 10
Particles	
Measurement range up to	500 ... 1000 µg/m³
Resolution	1 µg/m³
Accuracy	±10% v.Mw.
Measuring channel sizes	1.0, 2.5, 10
TVOC	
Measurement range up to	0 ... 9,999 mg/m³
Resolution	0,001 mg/m³
Accuracy	±30% v.Mw.
Temperature	
Measurement range up to	0 ... 50 °C
Resolution	1 °C
Accuracy	±1 °C
Temperature	
Measurement range up to	32 ... 122 °F
Resolution	1,8 °F

General technical data	
Display type	LCD with backlight
Display size	3,3 Inch
Interface	USB-C, WiFi
Operating time	7 h
Alarm	Acoustic
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	5 V
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion battery
Capacity	3000 mAh
Operating conditions	0 ... 50 °C , 0 ... 99 % RH
Storage conditions	0 ... 50 °C , 0 ... 99 % RH
Dimensions (L x W x H)	88 x 118 x 35 mm
Weight	198 g

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Accuracy	±1.8 °F