AIR QUALITY METER

PCE-RCM 03



- **Measurement of CO, temperature, humidity**
- **2 inch LCD display**
- **Visual and audible alarm**
- **Standby mode**
- **Battery operation**

An air quality meter is an indispensable safety device for detecting dangerous carbon monoxide concentrations indoors. It is used wherever CO can occur - for example in homes with gas boilers or fireplaces, in workshops with running engines and in boats, motorhomes or other enclosed spaces with combustion appliances.

The air quality meter records CO values in the range from 0 ... 500 ppm with a high resolution of 1 ppm. The air quality meter also measures relative humidity and temperature, whereby the temperature display can also be switched to Fahrenheit. All measured values are shown on an easy-to-read 2-inch LC display with backlighting.

For even more convenience, the air quality meter has a standby mode that can be activated manually. If no input is made within 60 seconds, the display switches off automatically - but the device remains active. In the event of increased CO values, the air quality meter warns with a visual and acoustic alarm. This is supported by a traffic light function: green for 0 ... 100 ppm, orange for 101 ... 200 ppm and red for 201 ... 500 ppm. As soon as the limit value of 100 ppm is exceeded, an additional acoustic warning signal sounds to indicate a possible hazard. Thanks to the integrated lithium battery, which is conveniently charged via USB-C, the detector is particularly flexible to use.

Specification

CO	
Measuring range	0 ... 500 ppm
Resolution	1 ppm
Accuracy	±10% v.Mw.
Relative humidity	
Measuring range	20 ... 85 %
Resolution	1 %
Accuracy	±4%
Temperature	
Measuring range	-10 ... +50 °C
Resolution	1 °C
Accuracy	±1 °C
Temperature	
Measuring range	14 ... 122 °F
Resolution	1,8 °F
Accuracy	±1.8 °F

General technical data	
Display type	LCD with backlight
Display size	2 Inch
Measuring rate	1,5 s
Interface	USB-C
Operating time	30 h
Alarm	optical, Acoustic
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	5 V DC
(Rechargeable) battery	1 x 3,7 V internal , lithium
Capacity	800 mAh
Operating conditions	-10 ... 50 °C , 20 ... 85 % RH
Storage conditions	-10 ... 60 °C , 20 ... 85 % RH
Dimensions (L x W x H)	70 x 70 x 32 mm
Weight	98,5 g

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