

Environmental Meter PCE-RCM 11



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Air Quality Monitor for Indicative Measurement of Environmental Conditions / Determination of HCHO, particulate matter (PM2.5 / PM10) / Temperature and relative humidity / 3" TFT LCD display

The air quality monitor PCE-RCM 11 serves the indicative examination of environmental parameters. The air quality monitor enables the measurement of fine dust, temperature and relative humidity. The bright display of the air quality monitor provides information about the already mentioned parameters. Environmental monitoring can be done continuously with the Air Quality Monitor for up to five hours without the device being connected to a power source.

For permanent measurement, the air quality monitor can be connected to the mains via a USB interface. The rechargeable battery will be recharged within two hours if the air quality monitor is turned off. The display of the concentrations is further simplified by the use of a color rating scale, as this directly provides information about the air quality to the user.

In addition to the indicative measurement of formaldehyde, which can be harmful to health, there is also an indicative measurement of particulate matter pollution to be carried out. A distinction is made between particles with a maximum diameter of up to 10 µm (PM10) and particles up to a diameter of 2.5 µm (PM2.5).

- ▶ Measurement of formaldehyde
- ▶ Specification of room temperature and humidity
- ▶ Fine dust measurement (PM2.5 / PM10)
- ▶ Changing display of the measured values
- ▶ Memory for up to 5000 measuring groups
- ▶ Date and time display
- ▶ USB interface
- ▶ 3" large TFT-LCD display
- ▶ Safe and easy handling

Specifications

Measuring range fine dust	PM2.5 / PM10
Measuring range particle measurement	0 ... 2000 µg / m ³
Resolution particle measurement	1 µg / m ³
Measuring range TVOC (Volatile Organic Substances)	0.00 ... 9.99 mg / m³
Accuracy TVCO	± 5% of the measuring range
Resolution TVCO	0.01 mg / m ³
Measuring range formaldehyde	0.00 ... 5.00 mg / m ³
Accuracy formaldehyde	± 5% of the measuring range
Dissolution formaldehyde	0.01 mg / m ³
Measuring range humidity	0 ... 100% rh
Accuracy of humidity	± 3.5% RH (at 20 ... 80% RH) ± 5% RH (at 0 ... 20% RH / 80 ... 100% RH)
Resolution Humidity	0.1% RH
Measuring range temperature	-20 ... 70°C / -4 ... 158°F
Accuracy temperature	± 2°C / 3.6°F
Resolution temperature	0.1°C / 0.18°F
Sound sensor	Wake up to APO
Power supply	2400-mAh, rechargeable battery
Battery life	Continuous measurement for up to 5 hours
Charging	Via USB 5V / 1 A
Charging time	2 hours (when switched off)
Automatic sleep mode	Adjustable if necessary
Display	3" TFT LCD display, 240 x 400 pixels
Data storage	5000 measuring groups
Operating temperature	0 ... 50°C / 32 ... 122°F
Storage temperature	-10 ... 60°C / 14 ... 140°F
Dimensions	85 x 75 x 155 mm / 3.3 x 3 x 6.1 in
Weight	360 g / < 1 lb

Subject to change