

Environmental Meter PCE-RCM 12



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Air quality monitor for indicative measurement of environmental conditions/ Determination of CO₂, HCHO, particulate matter (PM_{2.5} / PM₁₀) / Temperature und relative humidity / 3" TFT LCD Display

The environmental meter PCE-RCM 12 is used for indicative testing of environmental parameters. The environmental meter PCE-RCM 12 enables the measurement of CO₂, fine dust, temperature and relative humidity. The bright display of the environmental meter provides information about these parameters. Environmental monitoring can be done continuously with the environmental meter for up to five hours without the device being connected to a power source.

For permanent measurement, the environmental meter can be connected to AC power via a USB interface. The rechargeable battery will be recharged within two hours if the air quality monitor is turned off. When measuring carbon dioxide, the meter has a wide measuring range from 0 to 9,999 ppm. The display of the concentrations is further facilitated by the use of a color rating scale, as this provides direct information about the air quality to the user.

In addition to the indicative measurement of formaldehyde, which can be harmful to health, an indicative measurement of particulate matter pollution can also 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 (PM_{2.5}).

- ▶ Measurement of CO₂ and formaldehyde
- ▶ Indication of room temperature and humidity
- ▶ Particulate matter measurement (PM_{2.5} / PM₁₀)
- ▶ Large CO₂ measurement range up to 9999 ppm
- ▶ Changing display of the measured values
- ▶ Memory for up to 5000 measuring groups
- ▶ Date and time display
- ▶ 3" large TFT-LCD display
- ▶ Safe and easy handling

Subject to change

Specifications

Measuring range fine dust	PM2.5 / PM10
Measuring range particle measurement	0 ... 2000 µg/m³
Resolution particle measurement	1 µg/m³
Measuring range CO2	0 ... 9999 ppm
Accuracy CO2	±5% of measuredvalue or ±75 ppm
Resolution CO2	1 ppm
Measuring range formaldehyde	0.00 ... 5.00 mg/m³
Accuracy formaldehyde	±5% of measuredvalue
Resolution formaldehyde	0.01 mg/m³
Measuring range humidity	0 ... 100% r.H.
Accuracy humidity	±3.5% r.H. (at 20 ... 80% r.H.) ± 5% r.H. (at 0 ... 20% r.H. / 80 ... 100% r.H)
Resolution humidity	0.1% r.H.%
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 function 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 (whenswitched off)
Automatic sleep mode	Adjustable if necessary
Display	3" TFT LCD Display, 240 x 400 pixel
Data storage	5000 measurement 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 2.9 x 6.1 in
Weight	360 g / < 1 lb

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