

Thermometer PCE-RCM 05

PM2.5 monitor for dust measurement in the workplace / Dust monitor for PM2.5, temperature and humidity / Battery operation / Warning functions

The PM2.5 particulate matter monitor PCE-RCM 05 is used to continuously measure the particulate matter content at the workplace. The PCE-RCM 05 PM2.5 monitor displays PM2.5 particulate matter as well as temperature and humidity on the display. The measuring range of the PCE-RCM 05 monitor ranges from 0 ... 500 $\mu\text{g} / \text{m}^3$ PM2.5. This makes the PM2.5 meter an optimal test instrument to constantly have an overview of the fine dust content. Below the large measured value display of the PM2.5 content, the PM2.5 monitor provides quick information about the air quality with the aid of pictograms.

The PCE-RCM 05 fine dust monitor is powered by a rechargeable battery. The LC display is illuminated and easy to read from any angle, for example when the meter is on a desk. In addition to the standard white lighting, the PM2.5 monitor switches the lighting to red in the event of an alarm.

- PM2.5 fine dust measurement
- Temperature and humidity display
- Illuminated LCD with alarm
- Pictograms indicate air quality
- Battery operation
- Micro USB for charging

Specifications:

Measuring range PM2.5	0 ... 500 $\mu\text{g} / \text{m}^3$
Resolution	1 $\mu\text{g} / \text{m}^3$
Accuracy	<100 $\mu\text{g} / \text{m}^3$: $\pm (10 \mu\text{g} / \text{m}^3 + 10 \text{ digits})$ <400 $\mu\text{g} / \text{m}^3$: $\pm (10 \mu\text{g} / \text{m}^3 + 30 \text{ digits})$ >400 $\mu\text{g} / \text{m}^3$: $\pm (10 \mu\text{g} / \text{m}^3 + 50 \text{ digits})$
Measuring range temperature	-10 ... 50°C / 14 ... 122°F
Resolution	0.1°C / 0.18°F
Accuracy	$\pm 1^\circ\text{C} / 1.8^\circ\text{F}$
Measuring range humidity	0 ... 99% rh
Resolution	1% rh
Accuracy	30 ... 80% RH: $\pm 5\% \text{ RH}$
Display	LC display
Backlight	White (standard) Red (alarm)
Battery indicator	Four-level display
Automatic shutdown	After 2 h
Power supply	3.7V Li-ion battery Micro USB
Operating conditions	0 ... 50°C / 32 ... 122°F, 0 ... 85% rh
Storage conditions	-20 ... 60°C / -4 ... 140°F, 0 ... 95% rh
Weight	195 g / < 1 lb
Dimensions	75 x 55 x 130 mm / 3 x 2.2 x 5 in

Delivery scope:

1 x Thermometer PCE-RCM 05
1 x Micro USB cable
1 x User manual