

Air Sampling Device PCE-MPC 30

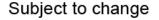


Air Sampling Device with data logger / HCHO measurement / battery for mobile use / 2.8 "TFT display / measurement of mass concentration / data storage on SD card

This Air Sampling Device has many functions. With the Air Sampling Device it is possible to determine the number of particles in the size of 0.3, 2.5 and 10 µm. In addition to measuring the particles, the Air Sampling Device can also measure the PM 2.5 and PM 10 mass concentration. The mass concentration of the Air Sampling Device determines the weight of the particles on one cubic meter.

In addition to particle measurement, the Air Sampling Device can also determine the formaldehyde content in ppm. During this HCHO measurement, the temperature, the ambient humidity and the dew point are determined and displayed by the Air Sampling Device. As a further important property, the Air Sampling Device can also store data. It is therefore possible with the Air Sampling Device to evaluate all measured values after a measurement.

- Particle counter, HCHO, temperature measurement
- Measured value recording for later analyzes
- Large 2.8 "LC display, 320 x 240 pixels
- Mass concentration PM 2.5 and PM 10
- Battery for mobile use
- Dew point and wet bulb temperature





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Specifications

Measurable particle sizes Measuring range Resolution

Particle counter

Measurable particle sizes	0.3, 2.5, 10 μm
Flow rate	2.83L / min (0.1 ft ³)
Counting efficiency	50% at 0.3 µm;
	100% with particle size> 0.45 μm
Coincidence error	<5% at 2,000,000 particles per ft ³
Data storage	5000 data records (micro SD card)
Counting modes	cumulative, differential, concentration

PM 2.5 and PM 10

0 ... 2000 µg / m³

1 µg / m³

нсно

Measuring range	0.01 5.00 ppm
Accuracy	± 5%
Resolution	0.01 ppm

Air temperature and relative humidity

Measuring range air temperature	0 50 ° C, 32 122 ° F
Measuring range dew point	0 50 ° C, 32 122 ° F
Relative humidity measuring range	0 100% RH
Air temperature measurement	10 40 ° C: ± 1 ° C, ± 1.8 ° F
accuracy	
	Others: ± 2 ° C, ± 3.6 ° F
Measuring accuracy dew point	10 40 ° C: ± 1 ° C, ± 1.8 ° F
temperature	
	Others: ± 2 ° C, ± 3.6 ° F
Relative humidity accuracy	0 20% rel. Humidity: ± 5%
	20 80% rel. Humidity: ± 3.5%
	80 100% rel. Fencing: ± 5%
More specifications	
Operating conditions	0 +50 ° C, 10 90% rel. humidity,
	not condensing
Storage conditions	-10 +60 ° C, 10 90% rel. humidity,

More information

More product info i Similar products

Display

Power supply mains adapter

Power supply battery

Battery Life

Battery recharge time

Dimensions

Weight

2.8 ", 320 x 240 pixels, backlit color LCD
Primary: 100 ... 240 V AC, 50/60 Hz, 0.6 A.
Secondary: 9 V DC, 1500 mA
7.4 V, 1200 mAh, 8.88 Wh
approx. 4 hours in continuous operation
approx. 2 hours with AC adapter
240 x 75 x 57 mm
570 g

Subject to change



not condensing

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