

Air Sampler PCE-MPC 25



**Air sampler for indicative measurement / Adjustable alarm limits / Data logger /
Micro USB interface / Measuring range 0 ... 1000 $\mu\text{g}/\text{m}^3$ / Mass concentration /
Approx. 9 hours of battery life / 3.2" color display / Carrying case / 1/4" tripod connection**

The air sampler is used in offices, workshops or in laboratories to carry out indicative measurements of the environmental conditions. In addition to the number of particles, the particle counter determines the mass concentration of PM2.5 and PM10 in the measuring range 0 ... 1000 $\mu\text{g}/\text{m}^3$. In addition, the temperature and the ambient humidity are measured. With the alarm limit function, limit values for PM2.5 can be set on the particle counter.

During a measurement it is possible to record the measured values with the air sampler. A memory with a storage capacity of approx. 12 measurement runs, each with 999 measurement points, is available for the particle counter. The interval can be set at different times on the particle counter. After recording, the measurement data recorded by the particle counter can be transferred to a computer. The particle counter is connected to any computer via the micro USB interface to transmit the measurement data. Since the particle counter is recognized as a mass data storage device by the computer, the particle counter is independent of the operating system. The measurement data saved by the particle counter are saved in PDF.

In addition to data transfer, the 8 Wh battery can also be charged via the micro USB interface. The battery used in the air sampler enables an operating time of approx. 9 hours. Thus, the particle counter can carry out measurements over an entire working day before it has to be recharged. Since the battery is not permanently installed in the particle counter, it can be easily replaced.

- ▶ Data storage for data logging
- ▶ Adjustable alarm when limit value is exceeded
- ▶ Transport case for safe transport
- ▶ Suitable for indicative measurements
- ▶ Measuring range 0 ... 1000 $\mu\text{g}/\text{m}^3$
- ▶ Micro USB for charging and transfer the measuring data

Subject to change

Specifications

Mass concentration

Measurable particle sizes	PM2.5 / PM10
Measuring range PM 2.5	0 ... 1000 µg/m³
Resolution	1 µm
Accuracy PM 2.5	0 ... 100 µg/m³: ±10 µg/m³ 101 ... 1000 µg/m³: ±10% of measured value

Particle counter

Measurable particle sizes	0.3 / 0.5 / 1.0 / 2.5 / 5.0 and 10 µm
Resolution	1 µm
Accuracy	reference measurement
Number of maximum particles	2,000,000 particles/L

Temperature

Measuring range	-10 ... 60 °C, 14 ... 140 °F
Resolution	0.01 °C, °F
Accuracy	±2 °C, ±3.6 °F

Humidity (RH)

Measuring range	0 ... 100 %
Resolution	0.01 %
Accuracy	±3 %

Further specifications

Response time	1 second
Warm up	10 seconds
Mounting connection	1/4" tripod connection
Dimensions intake	outside: Ø13 mm / 0.51" inside: Ø7 mm / 0.27" height: 35 mm / 1.37"
Display	3.2" LC color display
Power supply (mains adapter)	primary: 100 ... 240 V AC, 50 / 60Hz, 0.3 A secondary: 5 V DC, 2 A
Power supply (battery)	3.7 V, 8.14 Wh, 18650
Battery life	ca. 9 hours
Interface	Micro USB for charging and for data transfer to a PC
Auto power off	turned off 15, 30, 45 minutes 1, 2, 4, 8 hours

More information

Manual



More product info



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Data memory	flash memory for approx. 12 measurement runs a measurement run contains 999 measurement points
Storage interval	10, 30 seconds 1, 5, 10, 30, 60 minutes
Dimensions	222 x 80 x 46 mm / 8.7 x 3.1 x 1.8"
Weight	320 g / 11.2 oz

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