

# Air Sampler PCE-MPC 15



**Air sampler for indicative measurement / Adjustable alarm limits / Data logger /  
Micro USB charging interface / Measuring range 0 ... 1000 µg/m<sup>3</sup> / 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 PM<sub>2.5</sub> and PM<sub>10</sub> in the measuring range 0 ... 1000 µg/m<sup>3</sup>. In addition, the temperature and the ambient humidity are measured. With the alarm limit function, limit values for PM<sub>2.5</sub> 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.

The 8 Wh battery can 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 µg/m<sup>3</sup>
- ▶ Interface: Micro USB only for charging

# Specifications

## Mass concentration

Measurable particle sizes	PM2.5 / PM10
Measuring range PM 2.5	0 ... 1000 µg/m <sup>3</sup>
Resolution	1 µm
Accuracy PM 2.5	0 ... 100 µg/m <sup>3</sup> : ±10 µg/m <sup>3</sup> 101 ... 1000 µg/m <sup>3</sup> : ±10% of measured value

## Particle counter

Measurable particle sizes	0.3 / 2.5 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 only
Auto power off	turned off 15, 30, 45 minutes 1, 2, 4, 8 hours

# More information

Manual



More product info



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Subject to change

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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