PARTICLE COUNTER

PCE-MPC 25



- **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 µm/m³**
- **Micro USB for charging and transfer the measuring data**

The particle counter 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 µg/m³. 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 particle counter. 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 particle counter 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.

Specification

Relative humidity	
Measurement range up to	0 ... 100 % RH
Resolution	0,01 % RH
Accuracy	±3 % RH
Particles	
Measurement range up to	0 ... 2000000 µm
Measuring channel sizes	0.3, 0.5, 1.0, 2.5, 5.0
Temperature	
Measurement range up to	-10 ... +60 °C
Accuracy	±2 °C

General technical data	
Display type	LC colour display
Display size	3,2 Inch
Storage medium	Internal memory
Storage capacity	11988 Values
Memory capacity (additional information)	Flash memory for approx. 12 measurement runs, one measurement run contains 999 measuring points
Storage interval from	10 s
Storage interval to	60 min.
Interface	Micro-USB
Sensor	Temperature
Response time	1 s
Operating time	9 h
Automatic power-off from...to	15 ... 480 min.
Automatic power-off can be deactivated	Yes
Menu language	English, Chinese
Power supply	Rechargeable battery: 3.7 V, 8.14 Wh, 18650 Mains adaptor: primary: 100 ... 240 V AC, 50/60 Hz, 0.3 A, secondary: 5 V DC, 2 A
Connector type	Device-europlug
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion battery
Capacity	2200 mAh
Dimensions (L x W x H)	222 x 80 x 46 mm
Weight	320 g

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