



Environmental Meter PCE-423N



**Environmental meter with data memory / Measuring range 0 ... 30 m/s (98 ft/s) /
Micro-USB interface / 3/8" tripod mount / CSV file format / Rechargeable battery /
Optional with calibration / Telescopic probe extendable up to 426 mm (16.7")**

The environmental meter has a measuring range of up to 0 ... 30 m/s. In addition to the velocity, the hot wire anemometer can precisely measure the volume flow and temperature. The compact design of the sensors, in combination with the extendable telescopic probe, enable measurements to be taken even in places that are particularly difficult to access. This means that the hot wire anemometer can be used to measure flow in cooling fins or in supply and exhaust air ducts.

With the memory of the environmental meter, up to 10,000 measuring points can be recorded. The stored data can be viewed directly on the hot wire anemometer after a measurement. A transfer of the measurement data from the hot wire anemometer to a computer is made possible via the micro-USB interface. The saved data is displayed in CSV format and can therefore be analyzed and further processed as required.

The built-in 1000 mAh battery in the environmental meter enables mobile use. The battery is charged by the hot wire anemometer via the micro-USB interface. This means that the flow meter can be charged at any 5 V USB interface. In combination with a tripod, the hot wire anemometer can be optimally positioned. There is a 3/8" tripod holder on the rear of the hot wire anemometer.

- ▶ Measuring range up to 30 m/s / 98 ft/s
- ▶ Rechargeable battery
- ▶ Data format in CSV
- ▶ Data memory for 10,000 measuring points
- ▶ Optionally with calibration
- ▶ Speed, volume flow, temperature

Subject to change

Specifications

Speed

Measuring range	0.00 ... 30.00 m/s 0.0 ... 5905.5 ft/min
Resolution	0.01 m/s 0.1 ft/min
Accuracy*	±0.10 m/s or ± 5% of full scale at 0 ... 5 m/s ±0.30 m/s or ±5 % of full scale at 5 ... 30 m/s ±19.6 ft/min or ± 5 % of full scale at 0 ... 984.2 ft/min ±59.0 ft/min or ± 5 % of full scale at 984.2 ... 5905.5 ft/min

*whichever is greater

Volume flow

Measuring range	0.0 ... 339120.0 m3/h 0.0 ... 99598.0 CFM
Resolution	0.1 m3/h 0.1 CFM

Temperature

Measuring range	0 ... 50 °C 32 ... 122 °F
Resolution	0.1 °C 0.1 °F
Accuracy	±1 °C ±1.8 °F

Further specifications

Telescopic probe length	210 ... 426 mm / 8.2 ... 16.7"
Telescopic probe diameter	12 mm / 0.47"
Memory	10,000 measuring points
File format	CSV
Interface	Micro-USB
Bracket	3/8" tripod bracket
Display	2" LCD display, 176 x 220 pixels
Measuring rate	1 Hz
Power supply (battery)	internal 1000 mAh battery
Power supply (external)	5 V DC, 1 A
Operating conditions	0 ... 50 °C (32 ... 122 °F), <85 % RH, non-condensing
Storage conditions	-10 ... 60 °C (14 ... 140 °F), <85 % RH, non-condensing
Dimensions (without telescopic probe)	145 x 50 x 35 mm / 5.7 x 1.9 x 1.3"
Weight	156 g / 5.5 oz

More information

More product info



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