

Anemometer PCE-007



Accurate Anemometer meter with connection port, memory, software for measuring wind speed, temperature and Anemometer

This Anemometer meter is very economical. With this Anemometer meter you can measure wind speed and air temperature. Once you have the right cross section, the Anemometer meter will show the air volume flow. The readings can be stored in the device and then transferred to a computer for further analysis. As such, you can take a series of measurements with the Anemometer meter off-site, then look closely at the data once back at the office. In this way, you save time and maintain a high level of accuracy in readings.

The external impeller, connected by a 1.5 m / 4.9 ft long cable, increases the mobility and flexibility of measurements of wind speed. These Anemometer meters form a part of the basic equipment of an installation technician for ventilation systems. The useful life of the battery is approx. 50 hours with a current of 300-mA/h. If you wish to take timed measurements over a period of time longer than 2 days, you will need to use a battery pack, or a power adapter.

- ▶ Measures wind speed and air temperature
- ▶ Calculate and shows Data logger
- ▶ Stores up to 2000 readings
- ▶ Comes with an RS-232 interface
- ▶ Has software to transfer data
- ▶ Shows distinct units of measurement
- ▶ Has a dual display
- ▶ Is easy to use
- ▶ Max/Min/Hold functions
- ▶ Auto-Power off

Specifications

Ranges of measurement with the corresponding symbol of measurement displayed for the PCE-007 Flow meter:

- m / s	0.3 ... 45.0
- Feet/min	0.3 ... 8800
- Knots	0.3 ... 88.0
- Km/h	0.3 ... 140.0
- Mph	0.3 ... 100.0
- °C / °F	0.0 ... 45.0 / 32 ... 113°F
- m³/min	0.0 ... 999,900
Resolution:	0.01 m/s (the same for all units)
- Wind speed	0.2°C / 32.4°F
- Air temperature	0.001 to 100 (according to the measurement range)
- Data logger	
Accuracy:	±3% ±0.1 (the same for all units)
- Wind speed	±1°C / 33.8°F
- Air temperature	Calculated from the wind speed and the surface
- Data logger	
Interface	Yes, RS-232 for data transfer
	Yes, 2000 readings either as wind speed or temperature.
Memory	Don't forget: if the memory is full, it will save all currently stored data, but if the batteries have no power, then all the data will be lost.
	Yes, for the configuration of the device and to transfer data to a computer (with Windows 95, 98, 2000 or XP Professional)
Software	Measurement values can be exported to other programmes such as Excel.
Data transmission rate (via software)	1 s
Side wheel	Sapphire (set upon bearings of precious stones)
- Casing	66 x 132 x 29.2 mm / 2.6 x 5.2 x 1.1 in
- Dimensions	
Display	2 double LCDs with 4 digits
Operating conditions	Data logger: 0 ... 50°C / 32 ... 122°F, <80% r.h. Side wheel: 0 ... 60°C / 32 ... 140°F, <80% r.h.
Power	1 x 9V battery (approx. 50 hours of use)
Dimensions of the device	88 x 168 x 26.2mm / 3.5 x 6.6 x 1 in
Enclosure	ABS plastic
Weight	350g / < 1lb

More information

More product info



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