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Air Flow Meter PCE-007

Technical specifications

Ranges of measurement with the corresponding symbol of measurement displayed for the PCE-007 air flow meter

- m/s	0.0 to 45.0
- feet/min	0.0 to 8800
- knots	0.0 to 88.0
- km/h	0.0 to 140.0
- mph	0.0 to 100.0
- °C	0.0 to 45.0
- m ³ /min	0.0 to 999,900

Resolution:

- wind speed	0.01 m/s (the same for all units)
- air temperature	0.2°C
- air flow	0.001 to 100 (according to the measurement range)

Accuracy:

- wind speed	±3% ±0.1 (the same for all units)
- air temperature	±1°C
- air flow	calculated from the wind speed and the surface

Interface

yes, RS-232 for data transfer

Memory

yes, 2000 readings either as wind speed or temperature.
Don't forget: if the memory is full, it will save all currently stored data.
if the batteries have no power, then all the data will be lost.

Software

yes, for the configuration of the device and to transfer data to a computer (with Windows 95, 98, 2000 or XP Professional)
Measurement values can be exported to other programmes such as Excel.

Data transmission rate (via software)	1 s
Side wheel	Saphire (set upon bearings of precious stones)
- Casing	66 x 132 x 29.2mm
- Dimensions	
Display	2 double LCDs with 4 digits
Operating conditions	Anemometer: 0 to 50°C / <80% r.h. Side wheel: 0 to 60°C / <80% r.h.
Power	1 x 9V battery (approx. 50 hours of use)
Dimensions of the device	88 x 168 x 26.2mm
Enclosure	ABS plastic
Weight	350g