PCE Instruments

PCE Americas Inc. 711 Commerce Way Suite 8 Jupiter FL-33458 USA From outside US: +1 Tel: (561) 320-9176 info@pce-americas.com PCE Instruments UK Ltd. Units 12/13 Southpoint Business Park Ensign way Hampshire / Southampton United Kingdom, SO31 4RF From outside UK: +44 Tel: (0) 2380 98703 0 Fax: (0) 2380 98703 0 info@pce-instruments.com

www.pce-instruments.com/english www.pce-instruments.com

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
- m³/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	$\pm 3\% \pm 0.1$ (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 comp
	(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 - Casing - Dimensions	Saphire (set upon bearings of precious stones) 66 x 132 x 29.2mm
Display	2 double LCDs with 4 digits
Operating conditions	Anemometer: 0 to 50°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