Technical Data Logger PCE-007

Accurate Data- Logger meter with connection port, memory,

software for measuring wind speed, temperature and Data- Logger

This Data- Logger meter is very economical. With this Data- Logger meter you can measure wind speed and air temperature. Once you have the right cross section, the Data- Logger meter will show the Data- Logger. 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 Data- Logger 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 1.5m long cable, increases the mobility and flexibility of measurements of wind speed. These Data- Logger 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 adaptor

- 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

Technical specifications

Ranges of measurement with the corresponding symbol of measurement displayed for the PCE-007 Data- Logger 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
- Data- Logger	0.001 to 100 (according to the measurement range)

Accuracy:
- wind speed	±3% ±0.1 (the same for all units)
- air temperature	±1°C
- Data- Logger	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, but 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	Data- Logger: 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

Delivery Contents:

1 x PCE-007 Data- Logger meter with impeller and 1.5m long cable
1 x interface
1 x software
1 x battery
1 x bag
1 x user's manual