

## 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 <sup>3</sup> /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 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                            | 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.<br>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   |