

Technical Airflow Meter PCE-423

**High resolution Airflow Meter to measure air velocity and temperature /
diverse measuring units can be selected / USB data cable and software
for real time data transference included in the delivery**

The PCE-423 Airflow Meter with thermal sensor is highlighted by its good relation between price and quality. The PCE-423 Airflow Meter has a high resolution to be used for different applications. This PCE-423 Airflow Meter. It belongs to the the basic equipment for professionals working with ventilation systems. The PCE-423 Airflow Meter is also used in institutional research and development. The thin probe (8 mm diameter) makes it possible to use the Airflow Meter in areas with a minimum range of measurement such as inside refrigeration units. Additionally, the PCE-423 Airflow Meter has a telescopic probe with a max. length of 1 m. Both the USB cable and the software (included in the delivery), allow for the PCE-423 Airflow Meter to be connected to a PC or laptop to transfer data continuously. Data can be stored in either txt format or csv one for further analysis.

- Measures air velocity and temperature
- Suitable for low velocity air flow
- multiple measurement units available
- Large LCD display
- Data-Hold function
- Easy-to-use
- Shows max. y min. values on the display
- Solid enclosure
- Auto shut-off to protect battery life
- comes with telescopic thermal probe (max. length: 1m), software, USB data cable batteries, carrying case and user's manual.

Technical Specifications

Measurement ranges

0.1 m/s ... 25.0 m/s

20 ft/min ... 4925 ft/min

0.2 kn ... 48.5 kn

0.3 km/h ... 90.0 km/h

0.2 mph ... 55.8 mph

0.0 °C ... 50.0 °C

32 °F ... 122 °F

Resolution	
0.01 m/s	
1 ft/min	
0.1 kn	
0.1 km/h	
0.1 mph	
0.1 °C	
Accuracy	
- Air velocity	±5 % ±1digit (of the measurement field)
- Temperature	±1 °C
Thermal probe	telescopic thermal probe
-Length unextended	185 mm / 7.3 in
-Length extended	1000 mm / 39.4 in
-Maximum diameter	12 mm / 0.5 in
-Minimum diameter	10 mm / 0.4 in
Measurement quota	approx. 0.8 s
Display	LCD display
	46.7 mm x 60 mm / 1.8 in x 2.4 in
Interface	USB
Operating conditions	0 °C ... 50 °C / 32 °F ... 122 °F
	80 % H.r.
Power	9 V battery
Auto shut-off	after 5 min. of inactivity
Dimensions	210 mm x 75 mm x 50 mm
	8.3 in x 3.0 in x 2.0 in
Enclosure	ABS plastic
Weight	280 g / 0.6 lbs

Delivery contents

- 1 x PCE-423 Airflow Meter with telescopic thermal probe
- 1 x software and USB data cable
- 1 x mains component
- 1 x battery
- 1 x carrying case
- 1 x user's manual