

Air Flow Meter PCE-423-ICA incl. ISO calibration certificate



**High resolution Air Flow 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 Air Flow Meter with thermal sensor is highlighted by its good relation between price and quality. The PCE-423 Air Flow Meter has a high resolution to be used for different applications. This PCE-423 Air Flow Meter belongs to the basic equipment for professionals working with ventilation systems. The PCE-423 Air Flow Meter is also used in institutional research and development.

The thin probe (8 mm / .3 in diameter) makes it possible to use the Air Flow Meter in areas with a minimum range of measurement such as inside refrigeration units. Additionally, the PCE-423 Air Flow Meter has a telescopic probe with a max. length of 1 m / 3.3 ft. Both the USB cable and the software (included in the delivery), allow for the PCE-423 Air Flow 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: 1 m / 3.3 ft), software, USB data cable batteries, carrying case and user's manual

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 / 32.2°F

Accuracy

- Air velocity $\pm 5\% \pm 1$ digit (of the measurement field)

- Temperature $\pm 1^\circ\text{C} / 33.8^\circ\text{F}$

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 $0^\circ\text{C} \dots 50^\circ\text{C} / 32^\circ\text{F} \dots 122^\circ\text{F}$
80% H.r.

Power 9V 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 / < 1 lb

More information

Manual



More product info



Similar products



Subject to change