

ANEMOMETER

PCE-AM 40



- » Wind speed up to 45 m/s
- » Units: m/s, km/h, knots, mph, ft/min, ft/s
- » Temperature measurement
- » MAX, MIN, AVG, HOLD functions
- » Alarm: audible and visual
- » Memory for up to 1000 readings
- » Interface: Micro-USB
- » LCD display 2.8 inch
- » Operation: AA batteries or USB
- » PC software

The anemometer is a professional measuring device for the precise measurement of wind speed, air flow and temperature. It is ideal for applications in industry, trade, research or hobby. The anemometer supports various units such as m/s, km/h, knots, mph, ft/min and ft/s - with a measuring range of 0.06 to 45 m/s.

Thanks to practical functions such as max, min, average (AVG) and hold, the anemometer is easy to operate. Individually adjustable upper and lower limit values enable precise monitoring - a visual and audible alarm warns you if these are exceeded. The repeat accuracy is 2%, with a measuring rate of 2 measurements per second.

The anemometer has an integrated data memory for up to 1000 measured values, which can be conveniently transferred to a PC via the USB interface. The associated software is included in the scope of delivery and allows live transmission, recording and analysis of the data in real time. The recorded measurement data can be saved, printed or exported - ideal for documentation and further processing. The storage interval can be set individually (5 s, 10 s, 30 s, 1 min, 30 min, 1 h, 24 h). The anemometer switches off automatically after 15 minutes of inactivity - this function can be deactivated if required.

The easy-to-read 2.8-inch LCD display shows measured values digitally and on an analogue bar scale. The Beaufort value (BFT) is displayed numerically.

Specification

Speed	
Measurement range up to	0,06 ... 45 m/s
Resolution	0.001 m/s
Accuracy	±(2% of Rd +0.2)
Speed	
Measurement range up to	1 ... 162 km/h
Resolution	0.001 km/h
Accuracy	±(2 % of Rd +0.7)
Speed	
Measurement range up to	10 ... 8858 ft/min
Resolution	0.001 ft/min
Accuracy	±(2 % of Rd +20)
Speed	
Measurement range up to	1 ... 147,6 ft/s
Resolution	0.001 ft/s
Accuracy	±(2 % of Rd +0.2)
Speed	
Measurement range up to	0,1 ... 84,48 knots
Resolution	0.001 knots
Accuracy	±(2 % of Rd +0.2)
Speed	
Measurement range up to	1 ... 100,6 mph
Resolution	0,001 mph
Accuracy	±(2 % of Rd +0.2)
Volume flow	
Measurement range up to	0 ... 9999 m³/min
Resolution	0,001 m³/min
Accuracy	±(2 % of Rd +0.2)
Volume flow	
Measurement range up to	0 ... 9999 ft³/min
Resolution	0,001 ft³/min
Accuracy	±(2 % of Rd +0.2)
Volume flow	
Measurement range up to	0 ... 9999 m³/s
Resolution	0,001 m³/s
Accuracy	±(2 % of Rd +0.2)
Temperature	
Measurement range up to	0 ... 45 °C

General technical data	
Measuring functions	MIN, MAX, HOLD, AVG
Units	ft³/min, m³/min, m³/s, m/s, km/h, ft/min, ft/s, mph, Bft, knots, °C, °F
Display type	LCD
Display size	2,8 Inch
Measuring rate	2 x per second
Storage medium	Internal memory
Storage capacity	1000 Values
Storage interval from	5 s
Storage interval to	24 h
Interface	Micro-USB
Sensor	Vane
Automatic power-off	15 min
Automatic power-off can be deactivated	Yes
Tripod thread	1/4 inch
Alarm	optical, Acoustic
Repeat accuracy	2 %
Display range	9999 counts
Alarm settings	0 ... 45 m/s
Protection class (device)	IP20
Power supply	5 V DC
(Rechargeable) battery	3 x 1,5 V AA battery , Alkali-manganese
Capacity	3000 mAh
Operating conditions	-10 ... 50 °C , 0 ... 80 % RH
Storage conditions	-10 ... 50 °C , 0 ... 70 % RH
Dimensions (L x W x H)	240 x 70 x 33 mm
Weight	212 g

Resolution	0,1 °C
Accuracy	±2 °C
Temperature	
Measurement range up to	32 ... 113 °F
Resolution	0,1 °F
Accuracy	±3,6 °F