MULTIFUNCTION ANEMOMETER

PCE-VA 20



- **Measures air flow velocity, volume flow, relative humidity, air temperature,**
- **dew point temperature and wet bulb temperature**
- **Air flow velocity range: 0.2 ... 30 m/s (39.4 ... 5905.5 fpm)**
- **Accuracy: ±(1.5% of measured value + 0.3 m/s) when less than 20 m/s, ±(3% of**
- **measured value + 0.3 m/s) when more than 20 m/s**
- **Resolution: 0.1**
- **10 cm / 3.9" Ø fan impeller**
- **Easy-to-read backlit LCD**
- **Display hold, average value, maximum value, minimum value, battery-saving**
- **automatic power off, low battery indicator, and metric or imperial unit selection functions**

PCE-VA 20 is a multifunction anemometer for assessing wind, weather, indoor / outdoor environmental climate conditions as well as for testing heating, ventilation and air conditioning or cooling (HVAC) systems. In addition to measuring air flow velocity (i.e., wind speed), this multipurpose handheld device measures volume flow, relative humidity (RH), air temperature, dew point temperature and wet-bulb temperature. This combination anemometer-hygrometer-thermometer features a 10 cm / 3.9" Ø fan impeller, easy-to-read backlit LCD, and functions such as display hold, average value, maximum value, minimum value, battery-saving automatic power off, low-battery indicator, and metric or imperial unit selection.

Specification

Wet bulb temperature	
Measuring range	-20 ... +59,9 °C
Resolution	0,1 °C
Accuracy	±0.6 °C
Speed	
Measuring range	0,2 ... 19,99 m/s
Resolution	0.01 m/s
Accuracy	±(1.5 % of Rd +0.3 m/s)
Speed	
Measuring range	20 ... 30 m/s
Resolution	0.01 m/s
Accuracy	±(3 % of Rd +0.3 m/s)
Volume flow	
Measuring range	0 ... 9999 m^3/min
Resolution	0,1 m^3/min
Accuracy	±(1.5% of measured value +0.3 m/s)
Volume flow	
Measuring range	10000 ... 99999 m^3/min
Resolution	1 m^3/min
Accuracy	±(3 % of Rd +0.3 m/s)
Dew point	
Measuring range	-5 ... +59,9 °C
Resolution	0,1 °C
Accuracy	±0.6°C
Relative humidity	
Measuring range	0,1 ... 10 % RH
Resolution	0,1 % RH
Accuracy	±5% RH (@ 25 °C)
Relative humidity	
Measuring range	10 ... 90 % RH
Resolution	0,1 % RH
Accuracy	±3% RH (@ 25°C)
Relative humidity	
Measuring range	90 ... 99,9 % RH
Resolution	0,1 % RH
Accuracy	±5% RH (@ 25 °C)
Temperature	
Measuring range	-20 ... +60 °C

General technical data	
Measuring functions	HOLD, MAX, MIN, AVG
Display type	LCD
Display size	2,5 Inch
Display refresh rate	1 x per second
Response time	60 s
Response time Additional information	Response time for temperature and humidity
Automatic power-off	20 min
Housing	ABS (acrylonitrile-butadiene-styrene copolymers)
Dimensions	Impeller: Ø 100 mm
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	batteries
(Rechargeable) battery	4 x 1,5 V AAA battery , Alkali-manganese
Capacity	1200 mAh
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	-10 ... 50 °C , 0 ... 90 % RH
Dimensions (L x W x H)	270 x 105 x 55 mm
Weight	210,5 g

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Resolution	0,1 °C
Accuracy	±0.6 °C