

# Multifunction Air Velocity Meter with Capture Hoods

## PCE-VA 20-SET



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#### Combination anemometer-hygrometer-thermometer for HVAC system balancing

PCE-VA 20-SET is a multifunction air velocity meter with capture hoods for assessing and balancing 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.

- ▶ 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:  $\pm(1.5\%$  of measured value + 0.3 m/s) when less than 20 m/s,  $\pm(3\%$  of measured value + 0.3 m/s) when more than 20 m/s
- ▶ Resolution: 0.1
- ▶ Includes 2 x capture hoods (1 x round 210 mm / 8.3 in Ø, 1 x square 346 x 346 mm /13.6 x 13.6 in)
- ▶ 10 cm / 3.9 in 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

# Specifications

## Technical Specification

Air flow velocity measuring range	0.2 ... 30 m/s (39.4 ... 5905.5 fpm)
Air flow velocity accuracy	<20 m/s: $\pm(1.5\%$ of rdg. + 0.3 m/s) >20 m/s: $\pm(3\%$ of rdg. + 0.3 m/s)
Air temperature measuring range	-20 ... 60 °C / -4 ... 140 °F
Air temperature accuracy	$\pm 0.6$ °C
Air temperature resolution	0.1 °C / °F
Humidity measuring range	0.1 ... 99.9 % r.H.
Humidity accuracy	$\pm 3$ % r.H. (at 25 °C / 77 °F and 10...90 % r.H.) else: $\pm 5$ % r.H.
Humidity resolution	0.1 % r.H.
Temperature response time	60 seconds
Humidity response time	60 seconds
LCD update	1 x per second
Wet bulb temperature display	-20 ... +59.9 °C / -4 ... 139.8°F
Dew point temperature display	-5 ... +59.9 °C / 23 ... 139.8°F
Volume flow display	0 ... 99999 m <sup>3</sup> /min
Volume flow resolution	0.1 m <sup>3</sup> /min (0...9999,9 m <sup>3</sup> /min) 1 m <sup>3</sup> /min (10000...99999 m <sup>3</sup> /min)
Automatic shutdown	after 20 minutes of inactivity
LCD size	32.5 x 54 mm / 1.28 x 2.13" (H x W)
Power supply	4 x 1.5 V AAA batteries
Operating conditions	0 ... +50 °C / 32 ... 89.6°F, <80 % r.H.
Storage conditions	-10 ... +50 °C / 14 ... 89.6°F, <90 % r.H.
Dimensions	269 x 106 x 51 mm / 10.6 x 4.1 x 2.0"
Weight	ca. 200 g / 7 oz

# More information

Manual



More product info



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