Data sheet
testo 417

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Vane anemometer

testo 417 – With built-in vane

- Measurement of flow velocity, volume flow and temperature
- Recognition of flow direction
- Point and timed mean value calculation
- Max./min. values
- Hold button for freezing measurement value
- Display illumination
- Auto-off function

testo 417 is a compact, large-area anemometer with a built-in flow velocity / temperature vane. It measures flow velocity, volume flow and temperature. Thanks to the integrated measurement with the 100 mm vane, it is ideally suited for measurements at air input and output vents. The flow direction, i.e. blowing or sucking flow, is visible in the display. The optimum funnel set additionally allows measurements on ventilation grilles and disc outlets.

The volume flow is directly shown in the display. For the purposes of volume flow calculation, the duct area can be easily entered into the testo 417. In addition to this, the instrument can be switched over to display the current temperature.
Timed and point mean value calculation provide information on the average volume flow, flow velocity and temperature measurement value. The Hold function allows the current measurement value to be frozen in the display, min./max. values are also displayed at the press of a button.

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Technical data / Accessories

testo 417

testo 417 vane anemometer with integrated 100 mm vane incl. temperature measurement, battery and calibration protocol

Part no. 0560 4170

General technical data

Storage temperature	-40 to +70 °C
Operating temperature	0 to +50 °C
Battery type	9V block battery, 6F22
Battery life	50 h
Weight	230 g
Dimensions	277 x 105 x 45 mm
Housing material	ABS

Sensor types

	NTC	Vane	Volume flow
Measuring range	0 to +50 °C	+0.3 to +20 m/s	0 to +99999 m^3/h
Accuracy ±1 digit	±0.5 °C	±(0.1 m/s +1.5% of m.v.)	
Resolution	0.1 °C	0.01 m/s	0.1 m^3/h (0 to +99.9 m^3/h) 1 m^3/h (+100 to +99999 m^3/h)

Accessories for measuring instrument	Part no.	
Case for measuring instrument and probes	0516 0191	
testovent 417 funnel set for plate outlets (Ø 200 mm) and funnel for ventilator (330 x 330 mm)	0563 4170	
Flow straightener testovent 417	0554 4172	
9V rech. battery for instrument instead of battery	0515 0025	
DAkkS calibration certificate velocity, hot wire, vane anemometer; calibration points 0.5; 1; 2; 5; 10 m/s	0520 0244	
ISO calibration certificate velocity, hot wire, vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s	0520 0004	
ISO calibration certificate velocity, hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s	0520 0034	
ISO calibration certificate velocity, hot wire, vane anemometer; calibration points 0.3; 0.5; 0.8; 1.5 m/s	0520 0024	

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