

Vane anemometer

testo 417 - Digital 100 mm vane anemometer with App connection

Easy, fast and precise measurement of flow, volume flow and temperature at air inlets and outlets

Efficient regulation of balanced residential ventilation and fast documentation with the testo Smart App

Fast in-app configuration, graph history, second screen and measurement data memory in the testo Smart App

Timed and point mean value calculation

Durability through compact design with robust housing



The compact vane anemometer testo 417 was developed to make it as easy as possible for you to take measurements on air inlets and outlets of **air conditioning and ventilation systems**. The integrated 100 mm vane quickly ensures precise results. Time and point average values as well as the volume flow are automatically calculated in the instrument and shown on the display.

This allows **balanced residential ventilation systems** to be adjusted especially efficiently – including quick documentation with the testo Smart App. In addition, the App not only supports you in configuring the

measuring instrument and takes over display, storage and documentation of the measured values – it also turns your smartphone into a second display.

testo 417 is also available in two practical kits: The **testo 417 kit 1** includes two measuring funnels for plate outlets and ventilation grilles. These can be easily attached to the vane, covering a wide range of outlet sizes and formats. In addition to the two measuring funnels, the **testo 417 kit 2** includes a volume flow straightener to achieve precise results even at swirl diffusers.

Order data / Technical data

testo 417

testo 417, 100 mm vane anemometer with App connection, incl. carrying bag, calibration protocol and 3 X AA batteries



Order no. 0563 0417

testo 417 kit 1

testo 417 funnel kit 1, consisting of vane anemometer testo 417, measuring funnel for plate outlets, measuring funnel for ventilation grilles, carrying bag, calibration protocol and 3 x AA batteries



Order no. 0563 1417

testo 417 kit 2

testo 417 funnel kit 2, consisting of vane anemometer testo 417, measuring funnel for plate outlets, measuring funnel for ventilation grilles, flow straightener, carrying bag, calibration protocol and 3 x AA batteries



Order no. 0563 2417

Sensor types	
Vane	
Measuring range	0.3 to 20 m/s
Accuracy ±1 digit	±(0.1 m/s +1.5% of m.v.)
Resolution	0.01 m/s
Volume flow calculation	
Measuring range	0 to +99999 m ³ /h 0 to +440 m ³ /h (testo 417 in combination with funnel kit 0563 4170) 0.1 to +200 m ³ /h, preferably 0.1 to 100 m ³ /h, (testo 417 in combination with funnel & flow straightener 0554 4172)
Resolution	0.1 m ³ /h (0 to +99.9 m ³ /h) 1 °C /h (rem. measuring range)
NTC	
Measuring range	0 to +50 °C
Accuracy ±1 digit	±0.5 °C
Resolution	0.1 °C
General technical data	
Operating temperature	-20 to +50 °C
Storage temperature	-20 to +50 °C
Battery type	3 x AA
Battery life	50 h
Dimensions	236 x 108 x 45
Weight	243 g
Protection class	Measuring instrument: IP 40 Probe: IP20
Housing material	ABS + PC / TPE



The testo Smart App

- Simple and fast: Measurement menus for numerous applications provide optimum support in configuring and carrying out the measurement
- Clear graphical presentation of readings, e.g. as a table, for quick interpretation of results
- Create digital measurement reports including photos as PDF/CSV files on site and send via e-mail



Free download for Android and iOS




Accessories

Accessories	Order no.
testo Bluetooth® printer, incl. 1 roll of thermal paper, rech. battery and mains unit	0554 0621
Spare thermal paper for printer (6 rolls), measurement data documentation can be read for up to 10 years	0554 0568
testovent 417, funnel kit consisting of a funnel for plate outlets (Ø 200 mm) and a funnel for fans (330 x 330 mm)	0563 4170
testovent 417 volume flow straightener	0554 4172
DAkkS flow calibration certificate; hot wire, vane anemometer, calibration points 0.5; 1; 2; 5; 10 m/s	0520 0244
ISO calibration certificate for flow, hot wire/vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s	0520 0004
ISO calibration certificate for flow, hot wire/vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s	0520 0034
ISO flow calibration certificate, hot wire, vane anemometer, Pitot tube, calibration points 0.3; 0.5; 0.8; 1.5 m/s	0520 0024

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Subject to change, including technical modifications.

