

Vane anemometer

testo 417 - Digital 4 inch 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 testo 417 4 inch vane anemometer was developed to ensure precise results when measuring air inlets and outlets of **air conditioning and ventilation systems**. 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 commercial and 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 4 in. 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: testo 417 4 in. vane anemometer, 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 testo 417 4 inch vane anemometer, 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	+59.1 to +3937 fpm
Accuracy ± 1 digit	± 19.7 fpm + 1.5 % of mv
Resolution	0.01 fpm

Volume flow calculation

Measuring range	0 to +58857 cfm 0 to +259 CFM (testo 417 in combination with funnel kit 0563 4170) 0.1 to +118 CFM, (testo 417 in combination with funnel & flow straightener 0554 4172)
Resolution	0.1 CFM (0 to +58.8 CFM) 1 CFM (+59 to +58857 CFM)

NTC

Measuring range	32° to 122 °F
Accuracy ± 1 digit	± 0.9 °F
Resolution	0.1 °F

General technical data

Operating temperature	-4° to 122 °F
Storage temperature	-4° to 122 °F
Battery type	3 x AA
Battery life	50 h
Dimensions	9.3 x 4.3 x 1.8 in
Weight	0.54 lbs
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 power supply	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 8 in. round) and a funnel for fans (13 x 13 in. square)	0563 4170
testovent 417 volume flow straightener	0554 4172
NIST Velocity Calibration: 3 Standard Pts	400520 4401
NIST Velocity Calibration: 3 Custom Pts	400520 4402