Be sure. **testo**

testo Smart Probes – VAC kit

testo 405i thermal anemometer
testo 410i vane anemometer
testo 605i thermohygrometer
testo 805i infrared thermometer
in the testo Smart Case

Compact professional measuring instruments from the Testo Smart Probes series for use with smartphones/tablets

For the measurement of air and surface temperature, humidity, air velocity and volume flow

Application-specific menus: volume flow measurement in ducts and at outlets, identification of mould risk, easy image documentation including IR temperature measuring value and measurement spot marking

Measurement data displayed as a table or graphic

Measurement data analyzed and sent via testo Smart App

Handy testo Smart Case transport bag

°C

%RH

m/s

Bluetooth®
+ App

testo Smart App
for free download

Google play | App Store

The compact VAC kit includes four App-controlled measuring instruments for the most important measuring tasks performed by VAC engineers: the testo 405i thermal anemometer, the testo 410i vane anemometer, the testo 605i thermohygrometer and the testo 805i infrared thermometer. In conjunction with a smartphone or tablet, it can be used to measure air and surface temperatures, air humidity, air velocities and volume flows in, on and around air conditioning plants and systems. Users can read off their measuring values conveniently via the testo Smart App installed on the smartphone/tablet. In the App, measurement parameters (such as humidity or temperature)

can be deleted, added or their order altered with just one click. It is also possible to change the displayed measurement parameters just as quickly. In addition to this, the App offers application-specific menus, including for the identification of mould risks; automatic calculation of volume flow at outlets/in ducts by easy parameterization of the outlet/duct cross-section (dimensions and geometry). Finally, the measurement data report can be e-mailed directly as a pdf or Excel file. In the handy testo Smart Case, the measuring instruments can be conveniently transported and are always to hand when they are needed.

Technical data/accessories
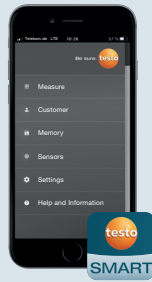
testo Smart Probes – VAC kit

testo Smart Probes VAC kit for servicing on ventilation and air conditioning systems. Consists of: testo 405i, testo 410i, testo 605i, testo 805i, testo Smart Case (VAC), batteries, calibration protocol

Order no. 0563 0003 10

testo Smart App
The App turns your smartphone/tablet into the display for up to 6 Testo Smart Probes at the same time. Both the operation of the measuring instruments and the display of the readings are achieved by Bluetooth® via the testo Smart App on your smartphone or tablet – irrespective of the measuring location. In addition, you can use the App to create measurement reports, add photos and comments to these and send them by e-mail. For iOS and Android.

	testo 405i	testo 410i	testo 605i	testo 805i
Sensor type	**Hot wire**	**Vane**	**Humidity – capacitive**	**Infrared**
Measuring range	0 to 30 m/s	0.4 to 30 m/s	0 to 100 %RH	-30 to +250 °C
Accuracy ±1 digit	±(0.1 m/s + 5% of m.v.) (0 to 2 m/s) ±(0.3 m/s + 5% of m.v.) (2 to 15 m/s)	±(0.2 m/s + 2% of m.v.) (0.4 to 20 m/s)	±3.0 %RH (10 to 35 %RH) ±2.0 %RH (35 to 65 %RH) ±3.0 %RH (65 to 90 %RH) ±5 %RH (< 10 %RH or > 90 %RH) (at +25 °C)	±1.5 °C or ±1.5% of m.v. (0 to +250 °C) ±2.0 °C (-20 to -0.1 °C) ±2.5 °C (-30 to -20.1 °C)
Resolution	0.01 m/s	0.1 m/s	0.1 %RH	0.1 °C
Sensor type	**NTC**	**NTC**	**NTC**	
Measuring range	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	
Accuracy ±1 digit	±0.5 °C	±0.5 °C	±0.8 °C (-20 to 0 °C) ±0.5 °C (0 to +60 °C)	
Resolution	0.1 °C	0.1 °C	0.1 °C	
Compatibility	requires iOS 11.0 or newer / Android 6.0 or newer			
	requires mobile terminal device with Bluetooth® 4.0			
Bluetooth® range	up to 15 m	up to 15 m	up to 100 m	up to 15 m
Storage temperature	-20 to +60 °C			
Operating temperature	-20 to +50 °C			-10 to +50 °C
Battery type	3 micro batteries AAA			
Battery life	15 hrs	130 hrs	150 hrs	30 hrs
Dimensions	200 x 30 x 41 mm	154 x 43 x 21 mm	218 x 30 x 25 mm	140 x 36 x 25 mm
	telescope extendable to 400 mm	40 mm vane diameter	73 mm probe shaft	
Optics				10:1
Laser marking				diffractive optics (laser circle)
Emissivity				0.1 to 1.0 adjustable

Accessories

Accessories	Order no.	
ISO temperature calibration certificate, infrared thermometer, calibration points +60 °C; +120 °C; +180 °C	0520 0002	
ISO humidity calibration certificate, calibration points 11.3 %RH and 75.3 %RH at +25 °C	0520 0006	
ISO humidity calibration certificate, calibration point 75.3 %RH at +25 °C	0520 0096	
ISO flow calibration certificate, two-point calibration, calibration points 5 m/s and 10 m/s	0520 0094	
ISO flow calibration certificate, 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 1; 2; 5; 10 m/s	0520 0004	

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Subject to change, including technical modifications.