

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



 Bluetooth®
+ App

testo Smart App
for free download

 GET IT ON
Google play

 Available on the
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

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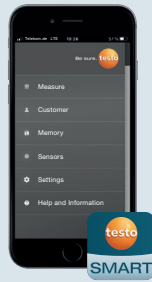
testo Smart Probes VAC kit for servicing on ventilation and air conditioning systems. Consists of: testo 405i, testo 410i, testo 605i, testo 805i, testo Smart Case (VAC), batteries, calibration protocol

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 telescope extendable to 400 mm | 154 x 43 x 21 mm 40 mm vane diameter | 218 x 30 x 25 mm 73 mm probe shaft | 140 x 36 x 25 mm |
| Optics | | | | 10:1 |
| Laser marking | | | | diffractive optics (laser circle) |
| Emissivity | | | | 0.1 to 1.0 adjustable |

| 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 |

