

Smart & Wireless

VAC Smart Probe kit*

- testo 405i Thermal Anemometer
 - testo 410i Vane Anemometer
 - testo 605i Thermo-hygrometer
 - testo 805i Infrared Thermometer
- in the **testo Smart Case**



Measures air velocity, temperature, relative humidity, wet bulb / dew point, and calculate volume flow

Kit includes instruments to measure, balance, troubleshoot, and optimize ventilation systems performance

RH & air flow measurements in-duct and at registers viewed simultaneously in the **testo Smart Probes App** (605i, 405i, 410i)

App calculates system enthalpy with air flow & RH probes

Photograph objects with smart device, capturing measurement marker and temperature values for reference and reporting (805i)

Measurement data is transmitted to the convenient and powerful **testo Smart Probes App** in your smart device

Tough, accurate, and easy-to-use

For all HVAC/R technicians and contractors

*Operates with iOS or Android smart devices such as smart phones, tablets, etc.



Bluetooth
+ App

testo Smart Probes App
for free download



The testo VAC Smart Probe Set provides a combination of four instruments needed to test and balance a multi-outlet ventilation system. Two types of anemometers give you the capacity to measure in-duct air flow and the flow from each vent. Using an IR temperature probe for surface temperatures will show you motor and electrical equipment conditions and an easy check of each outlet. The thermo-hygrometer will provide an assessment of the humidity and dewpoint concerns throughout the system. Users can remotely read the measurements from multiple probes by using the **testo Smart Probes App**. The kit comes with a handy case at a great value.

The **testo Smart Probes App** is a powerful and easy-to-use tool. It allows you to remotely read measurements from up to six (6) Smart Probes and easily document/report the results. Automatic calculations make it a snap! All measurement data is displayed as instrument readings, tables, or graphs. The measurements can be quickly saved as PDF or Excel files. The App creates custom reports which can be saved and/or shared by email. All your data can be stored and retrieved saving you hours of time consuming paperwork!

Technical data/accessories

Smart Probes – VAC kit

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



Order no. 0563 0003



Testo Smart Probes App

The Testo **Smart Probes App** combines the power of your smart phone/tablet with the accurate measurements of your Smart Probes. The operation and display of the instruments are communicated via Bluetooth to the App on your smart phone or tablet. The **Smart Probes App** uses the measurements to create custom reports (including added photos and comments). Information and reports can be saved as files and/or sent by e-mail. For Apple iOS and Android.

| | testo 405i | testo 410i | testo 605i | testo 805i |
|-----------------------|--|--|--|---|
| Sensor type | Hot wire | Vane | Humidity – capacitive | Infrared |
| Measuring range | 0 to 6,000 fpm | 0 to 6,000 fpm | 0 to 100 %RH | -22 to 482 °F |
| Accuracy | ±(9.9 fpm + 2.5 % of m.v.) (0 to 400 fpm) ±(29.5 fpm + 2.5 % of m.v.) (400 to 3000 fpm) | ±(40 fpm + 2 % of m.v.) (78 to 6,000 fpm) | ±(1.8% RH + 3% of m.v.) at 77 °F (5 to 80% RH) | ±2.7 °F or ±1.5 % of reading (32 to 482 °F) ±3.6 °F (-4 to 32 °F) ±4.5 °F (-22 to -4 °F) |
| Resolution | 2 fpm | 19.7 fpm | 0.1% RH | 0.1 °F |
| Volume Flow | 0 to 99,999 cfm (Resolution: 0.1 cfm) | 0 to 99,999 cfm (Resolution: 0.1 cfm) | | |
| Sensor type | NTC | NTC | NTC | |
| Measuring range | -4 to 140 °F | -4 to 140 °F | -4 to 140 °F | |
| Accuracy | ±0.5 °F | ±0.9 °F | ±1.4 °F (-4 to 32 °F) ±0.9 °F (32 to 140 °F) | |
| Resolution | 0.1 °F | 0.1 °F | 0.1 °F | |
| Compatibility | requires iOS 8.3 (or later) / Android 4.3 (or later) | | | |
| | requires mobile device with Bluetooth 4.0 | | | |
| Storage temperature | -4 to 140 °F | | | |
| Operating temperature | -4 to 122 °F | | | -14 to 122 °F |
| Battery type | 3 AAA batteries | | | |
| Battery life | 15 hrs | 200 hrs | 250 hrs | 30 hrs |
| Dimensions | 7.9 x 1.2 x 1.6 in. | 6.1 x 1.7 x 0.8 in | 9.6 x 1.2 x 0.9 in | 5.5 x 1.4 x 1.0 in |
| | Telescope extendable to 15.7 in. | 1.6 in vane diameter | 3.4 in probe shaft | |
| Optics | | | | 10:1 |
| Laser marking | | | | Diffraction optics (laser circle) |
| Emissivity | | | | 0.1 to 1.0 adjustable |
| Warranty | 2 years | | | |
| Measuring Units | °F, °C, fpm, m/s, cfm, m³/h, l/s | °F, °C, fpm, m/s, cfm, m³/h, l/s | °F, °C, %rF / %RH, °Ftd, °Ctd, wetbulb °F, wetbulb °C | °F, °C |

testo Smart Probe VAC Set data sheet ver 1.0 | Subject to change without notice | Not responsible for typographical errors.

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