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100%



Be sure. **testo**

testo



testo Smart Probes

The SMART world of Testo HVAC



Be sure.



**“My world
just got a
whole lot
EASIER”**

**The most
exciting
development
in HVAC
Instruments.
EVER.**

A black, rectangular carrying case with a handle, held by the man in the image. The Testo logo is printed on the front of the case.

testo

The **biggest family** of SMART instruments.

Servicing heating and air conditioning systems is now faster and easier with Testo Smart Probes.

This family of Smart instruments is a collection of probes that work with your smart phone or tablet to monitor and store measurement readings. Using the free SMART App allows you to quickly and easily calculate performance and seamlessly document results in detailed reports, which can be sent via email to the back office.



- Test air conditioning charge without hoses—or wires
- Balance multi-outlet ventilation systems simultaneously
- Measure system air flow, wet bulb and dewpoint
- Perform countless difficult calculations automatically in the free app
- And so much more!

Never has so much usability and versatility been available in such a simple and worry-free family of products.

The testo Smart Probes App: **One App. Endless advantages.**

- Measurement data is transmitted via Bluetooth to your smart device using the convenient and easy to use testo App
- Automatic calculations make using your smart probe a snap
- Create custom reports including added photos and comments

testo Smart Probes
App for free download



System requirements:
iOS 8.3 or Android 4.3 or
later / Bluetooth 4.0

Temperature measurement

testo 115i: Bluetooth Pipe Clamp thermometer



- Measures temperature of pipes in heating and cooling systems
- Use with 549i Refrigeration Pressure Probe to calculate superheat and sub-cooling
- Quickly identify temperature changes by monitoring real-time trending and data logging
- 115i NTC temperature sensor is more accurate and stable than thermocouples
- Measuring range -40 to 302 °F
- Clamp opening diameter of .25 to 1.5 in.
- **Measuring Units** °F, °C

testo 905i: Bluetooth Thermometer



- Quickly and accurately measures air temperature in rooms, ducts, registers, and outlets
- Fast acting temperature probe quickly tracks changes and shows trends on a graphic display
- Measuring range -58 to 302 °F
- **Measuring Units** °F, °C

Non-contact temperature measurement

testo 805i: Bluetooth IR thermometer



- Measures non-contact temperature
- Distance to spot target ratio (10:1)
- Measurement area indicated by circular laser pattern assures accurate assessments
- Photograph objects with smart device, capturing measurement marker and temperature values for reference and reporting
- Optics 10:1, measuring range -22 to 482 °F
- **Measuring Units** °F, °C

Temperature and humidity measurement

testo 605i: Bluetooth Thermohygrometer



- Quickly and accurately measures relative humidity and temperature in rooms, ducts, and chambers
- Automatically calculates dewpoint & wetbulb temperature
- Small diameter probe is ideal for in-duct measurements
- Measuring range: 0 to 100 %RH;
-4 to 140 °F
- **Measuring Units** °F, °C, %rF / %RH, Dewpoint °F, Dewpoint °C, wetbulb °F, wetbulb °C

Flow velocity measurement



testo 405i: Bluetooth Thermal hot-wire anemometer

- Measures air velocity, volume flow, and temperature
- Measures in-duct air flow and automatically calculates volume flow
- Small dia. (<0.5") and 15" telescopic shaft length is ideal for in-duct averaging and timed traverse
- Perform air duct leakage tests
- Measuring range 0 to 6,000 fpm and -4 to 140 °F
- **Measuring Units** °F, °C, fpm, m/s, cfm, m³/h, l/s



testo 410i: Bluetooth Vane anemometer

- Measures air velocity, volume flow, and temperature with no air density correction needed
- Measures air flow at registers and automatically calculates volume flow
- Measure volume flow at several outlets simultaneously to adjust system balance
- Timed/multipoint averaging
- Measuring range 0 to 6,000 fpm and -4 to 140 °F
- **Measuring Units** °F, °C, fpm, m/s, cfm, m³/h, l/s



Differential pressure measurement

testo 510i: Bluetooth Differential pressure manometer



- Measures static pressure, air flow, and volume flow (Pitot tube not incl.)
- Measures air handler manifold pressure and pressure drop (with alarms) across filters and coils
- Easy configuration and calculations for volume flow using pitot tube (must enter pitot tube factor and dimensions)
- Measuring range -60 to 60 inWC
- **Measuring Units** mbar, hPa, Pa, mmHg, inHg, inWC, psi, mmWC, m/s, fpm, m³/h, cfm, l/s

High pressure measurement

testo 549i: Bluetooth high-pressure probe



- Measures high-side or low-side refrigerant pressure (simultaneously with 2 probes) in AC/refrigeration systems
- No hoses required! Clean, simple, accurate
- Low-loss refrigerant pressure testing!
- Use with 115i pipe-clamp temp. probes for automatic superheat / sub-cooling calculations
- Measuring range -14 to 870 psi
- **Measuring Units** bar, psi, MPa, kPa

Smart Probes Air Conditioning set: testo 549i (2x), testo 115i (2x), and Refrigeration Smart Case.

The A/C Refrigeration set is configured to be used during commissioning, servicing, preventative maintenance, and troubleshooting A/C and refrigeration systems.



Smart Probes Ventilation set: testo 405i, testo 410i, testo 605i, testo 805i, and Ventilation Smart Case.

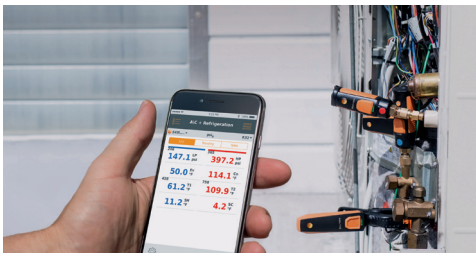
The Ventilation set gives you the capacity to measure in-duct air flow and the flow from each vent, shows you the motor and electrical equipment conditions, and provides an assessment of the humidity and dewpoint concerns throughout the system.



Smart Probes Heating set: testo 115i, testo 510i, testo 805i, and Heating Smart Case.

The Heating set allows you to perform timed pressure leak-down tests on pipe systems, measure temperature of pipes in heating and cooling systems, and photograph objects with your smart device.





With the AC/R set, you can measure high-side and low-side pressures and temperatures of A/C and refrigeration systems



With the Ventilation set, you can measure, balance, trouble-shoot, and optimize the performance of ventilation systems



With the Heating set, you can determine gas flow and static pressure, measure temperature of radiators, and much more



Ordering information

Testo Smart Probes	Order no.
testo 905i Bluetooth thermometer, incl. batteries (3x AAA) and certificate of calibration	0560 1905
testo 115i Bluetooth clamp thermometer, for measurements on pipes with diameters up to 1.5 inches, incl. batteries (3x AAA) and certificate of calibration	0560 1115
testo 805i Bluetooth infrared thermometer, incl. batteries (3x AAA) and certificate of calibration	0560 1805
testo 605i Bluetooth thermohygrometer, incl. batteries (3x AAA) and certificate of calibration	0560 1605
testo 405i Bluetooth thermal anemometer, incl. batteries (3x AAA) and certificate of calibration	0560 1405
testo 410i Bluetooth vane anemometer, incl. batteries (3x AAA) and certificate of calibration	0560 1410
testo 510i Bluetooth differential pressure manometer, incl. hose set (Ø 0.15 and .2 inch) with adapter, batteries (3x AAA) and certificate of calibration	0560 1510
testo 549i Bluetooth high-pressure probe, incl. batteries (3x AAA) and certificate of calibration	0560 1549
testo Smart Cases	Order no.
testo Smart Case (Ventilation) for testo 405i, testo 410i, testo 510i, testo 605i, testo 805i and testo 905i. Case dimensions 9.8 x 7.2 x 2.8 in	0516 0260
testo Smart Case (Air conditioning) for 2 x testo 115i and 2 x testo 549i. Case dimensions 9.8 x 7.2 x 2.8 in	0516 0240
testo Smart Case (Heating) for testo 115i, testo 410i, testo 510i, testo 549i and testo 805i. Case dimensions 9.8 x 7.2 x 2.8 in	0516 0270
testo Smart Probes Set	Order no.
testo Smart Probes Ventilation set for testing ventilation and air conditioning systems. Consists of: testo 405i, testo 410i, testo 605i, testo 805i, testo Smart Case (Ventilation), batteries, certificate of calibration	0563 0003
testo Smart Probes Air conditioning set for testing, commissioning and error detection on air conditioning and refrigeration systems. Consists of: (2x) testo 115i, (2x) testo 549i, testo Smart Case (refrigeration), batteries, certificate of calibration	0563 0002
testo Smart Probes Heating set for pressure and temperature measurement on heating systems. Consists of: testo 115i, testo 510i, testo 805i, testo Smart Case (heating), batteries, certificate of calibration	0563 0004

More accessories at www.testo.com

ver K.A. – Subject to change, including technical changes, without notice.

