



14:21

100%



We measure it.



testo Smart Probes

The SMART world
of Testo HVAC



A man with dark hair and a beard, wearing a light grey polo shirt and blue trousers, is shown in profile from the waist up. He is holding a black carrying case with a yellow circular logo that says "testo" in white. The background is a blurred industrial setting with various pipes, valves, and gauges, suggesting an HVAC or mechanical environment.

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

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

Introducing: The **first family** of SMART instruments.

The job of servicing HVAC systems is now a lot faster and easier with Testo's new Smart Probes.

The First Family of Smart instruments is a collection of probes that work with your smart phone or tablet to monitor and store measurement readings. The free App allows you to quickly and easily calculate performance and seamlessly document results in reports or data sheets, which you can store or send via email or text.

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



Never has so much **power** and **versatility** been available in such a **clean, simple, and worry-free** package.

The testo Smart Probes App:

One App. Eight Instruments. Many advantages.

- Measurement data is transmitted to the convenient and powerful testo Smart Probes App in your smart device
- Automatic calculations make it a snap
- The operation and display of the probes are communicated via Bluetooth to your smart device
- 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



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



With the VAC kit, you can measure, balance, troubleshoot, and optimize the performance of ventilation systems



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

Smart Probes A/C Refrigeration kit: testo 549i (2x), testo 115i (2x), and the testo Refrigeration Smart Case.

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



Smart Probes VAC kit: testo 405i, testo 410i, testo 605i, testo 805i, and the testo VAC Smart Case.

The VAC kit 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 kit: testo 115i, testo 510i, testo 805i, and the testo Heating Smart Case.

The Heating kit 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.



Temperature measurement



testo 115i: Bluetooth 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

Temperature and humidity measurement



testo 805i: Bluetooth IR thermometer

- Measures non-contact temperature
- Optic 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



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, °Ftd, °Ctd, wetbulb °F, wetbulb °C

Flow velocity measurement



testo 405i: Bluetooth Thermal 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

Pressure measurement



testo 510i: Bluetooth Differential pressure manometer

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



testo 549i: Bluetooth high-pressure probe

- Measures high-side or low-side refrigerant pressure (or both 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

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 (VAC) 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 (refrigeration) 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 Kit	Order no.
testo Smart Probes VAC Kit for testing ventilation and air conditioning systems. Consists of: testo 405i, testo 410i, testo 605i, testo 805i, testo Smart Case (VAC), batteries, certificate of calibration	0563 0003
testo Smart Probes refrigeration Kit 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 Kit 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

Warranty on all Smart Probes and kits: 2 Years