

testo Smart Probes HVAC/R Complete Kit

2 x testo 549i High-pressure Refrigeration Gauges
 2 x testo 115i Pipe-clamp Thermometer
 2 x testo 605i Thermohygrometer
 testo 405i thermal anemometer
 testo 410i vane anemometer
 testo 510i differential pressure measuring instrument
 testo 805i infrared thermometer
 testo 905i Compact thermometer
 testo HVAC softcase

Carry out all measurements in the areas of heating, air conditioning, refrigeration and ventilation with one kit

Testo 549i now includes 45° angled hose connections

Testo 605i now includes 90° foldable probe

Carry out all measurements in the areas of heating, air conditioning, refrigeration and ventilation with one kit

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

HVAC softcase holds the complete set of smart probes

The individual Smart Probes can be combined with one another for a variety of applications



Bluetooth
+ App

testo Smart Probes App
for free download



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

The ultimate kit for air conditioning, refrigeration and heating contractors, enabling the measurement of temperature, humidity, flow and pressure. In conjunction with a smartphone or tablet, the refrigeration kit is ideally suited to servicing and troubleshooting on air conditioning, refrigeration and heating systems, as well as their installation. All the measuring instruments can be quickly and easily commissioned and attached directly at the pressure connection or the temperature measuring point. They also make it considerably easier to work on measuring points that are a long distance apart, thanks to wireless connection to a smartphone or tablet and a range of up to 350 ft. (testo 549i, testo 115i, testo 605i).

The measuring values of both instruments are transmitted via Bluetooth® connection to the App installed on the smartphone/tablet enabling convenient and flexible readout. In the App, measurement parameters 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. All measurement data are presented either as a diagram or a table. Finally, the measurement data report can be e-mailed directly as a pdf or Excel file.

Technical data/accessories

Smart Probes – Complete Kit

Testo Smart Probes Ultimate Kit
Consists of: 2 x testo 115i,
2 x testo 549i, 2 x testo 605i, testo 405i,
testo 410i, testo 510i, testo 805i,
testo 905i, testo HVAC softcase,
batteries, calibration protocol



Order no. 0563 0007



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 115i	testo 405i	testo 410i	testo 510i
Sensor type	NTC	Hot wire / NTC	Vane / NTC	Pressure
Measuring range	-58 to 302 °F	0 to 6,000 fpm -4 to 140 °F	0 to 6000 fpm -4 to 140 °F	-60 to 60 inWC
Accuracy ±1 digit	±2.3 °F (-4 to 185 °F)	±(20 fpm +5% of m.v.) (0 to 394 fpm) ±(59 fpm +5% of m.v.) (394 to 3,000 fpm) ±0.9 °F	±(40 fpm +2% of m.v.) (78 to 6,000 fpm) ±0.9 °F	±0.02 inWC (0 to 0.4 inWC) ±(0.01 inWC +1.5% of m.v.) (0.4 to 60 inWC)
Resolution	0.1 °F	2 fpm / 0.1 °F	20 fpm / 0.1 °F	0.004 inWC
Compatibility	requires iOS 8.3 or newer, Android 4.3 or newer, requires mobile terminal device with Bluetooth® 4.0			
Bluetooth® range	up to 350 ft.	up to 60 ft.	up to 60 ft.	up to 60 ft.
Dimensions	7.2 x 3.5 x 1.2 in.	7.9 x 1.2 x 1.6 in (Probe telescopes to 16")	6.1 x 1.7 x 0.8 in	5.8 x 1.4 x 0.9 in
	testo 549i	testo 605i	testo 805i	testo 905i
Sensor type	Pressure	Humidity – capacitive / NTC	Infrared	Type K (NiCr-Ni)
Measuring range	-14 to 870 psi	0 to 100 %RH -4 to 140 °F	-22 to 482 °F	-58 to 302 °F
Accuracy ±1 digit	0.5% of final value	±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) ±1.4 °F (-4 to 32 °F) ±0.9 °F (32 to 140 °F)	±2.7 °F or ±1.5 % of m.v. (32 to 482 °F) ±3.6 °F (-4 to 32 °F) ±4.5 °F (-22 to -4 °F)	±1.8 °F
Resolution	0.1 psi	0.1 %RH / 0.1 °F	0.1 °F	0.1 °F
Compatibility	requires iOS 8.3 or newer, Android 4.3 or newer, requires mobile terminal device with Bluetooth® 4.0			
Bluetooth® range	up to 350 ft.	up to 350 ft.	up to 60 ft.	up to 60 ft.
Dimensions	5.9 x 1.3 x 1.2 in	8.6 x 1.2 x 1.0 in	5.5 x 1.4 x 1.0 in	8.7 x 1.2 x 0.9 in



Features

- Measures AC/DC current/voltage, resistance and frequency
- 4000-count LCD display with analog bargraph
- Low battery and overrange indicators
- True RMS measurements
- Min/Max, display hold, peak hold and relative mode
- Diode test and continuity check functions
- Cat. III 600V, Cat. II 1000V safety rating
- Includes test leads, battery, and soft carrying case

Model	Description
R5050	AC/DC Clamp Meter
R2990	Thermocouple Adapter
R5400	Line Splitter
R1000	Safety Test Lead Set, Double Insulated
R1020	Fused Test Lead Set
CA-05A	Soft Carrying Case
R9940	Hard Shell Carrying Case
R5050-NIST	AC/DC Clamp Meter & NIST

TECHNICAL DATA

Specifications

AC/DC Current

Range: 40, 400, 1000A
 Accuracy: AC: $\pm[1.9\% \text{ rdg.} + 5 \text{ dgt.}]$
 DC: $\pm[2.5\% \text{ rdg.} + 10 \text{ dgt.}]$
 Resolution: 0.01, 0.1, 1A

AC/DC Voltage

Range: AC: 400, 750V
 DC: 400, 1000V
 Accuracy: AC: $\pm[1.5\% \text{ rdg.} + 5 \text{ dgt.}]$
 DC: $\pm[1\% \text{ rdg.} + 2 \text{ dgt.}]$
 Resolution: 0.1, 1V

Resistance

Range: 400, 4000 Ω
 Accuracy: $\pm[1\% \text{ rdg.} + 3 \text{ dgt.}]$
 0.1, 1 Ω

Frequency

Range: 4kHz, 10kHz
 Accuracy: $\pm[0.1\% \text{ rdg.} + 1 \text{ dgt.}]$
 Resolution: 1Hz, 10Hz

General Specifications

Range Selection: Autoranging / Manual
 True RMS: Yes
 Display: 4,000 count LCD display
 Display Hold: Yes
 Max/Min: Yes
 Peak Hold: Yes
 Zero Push Button
 Adjustment: Yes
 Relative Mode: Yes
 Diode Test: Yes
 Analog Bargraph: Yes (42-segment)
 Continuity Check: Audible signal if resistance <100 Ω
 Autoshoot off: Yes (after 30 mins)
 Power Supply: 9V Battery
 Low Battery Indicator: Yes
 Jaw Opening: 1.5" (40mm), up to 500 MCM
 Overvoltage Category: CAT. III 600V, CAT. II 1000V
 Product Certifications: CE
 Operating Temperature: 32 to 104°F (0 to 40°C)
 Storage Temperature: 14 to 140°F (-10 to 60°C)
 Dimensions: 9.5 x 2.6 x 1.4"
 (242 x 66 x 36mm)
 Weight: 14oz (400g)