

Data sheet

testo Smart Probes

AC & Refrigeration test and load kit



testo Smart Probes AC & Refrigeration test and load kit

- 2 x testo 549i High-pressure Refrigeration Gauges
- 2 x testo 115i Pipe-clamp Thermometer
- 2 x testo 605i Thermohygrometer
- testo HVAC softcase

Up To 350ft.
Bluetooth Range!



Measure high-side & low-side refrigerant pressure & temperatures (simultaneously) of AC/refrigeration systems

Testo 549i now includes 45° angled hose connections

Testo 605i now includes 90° foldable probe

Calculate superheat and subcooling in the Smart Probe App

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

350 ft. Bluetooth® Range



Bluetooth
+ App

testo Smart Probes App
for free download



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

The testo AC & Refrigeration test and load kit includes two testo 549i high-pressure measuring instruments, two testo 605i thermohygrometers and two testo 115i clamp thermometers for pressure, (air) temperature and humidity measurement. In conjunction with a smartphone or tablet, the kit is ideally suited to servicing and troubleshooting on air conditioning and refrigeration systems, as well as their installation. The testo 549i and testo 115i can be quickly and easily 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.

The measuring values of both instruments are transmitted via Bluetooth® to the testo Smart Probes App installed on your terminal device enabling convenient and flexible readout there. In addition, the App enables automatic calculation of evaporation and condensation temperatures as well as of heating/cooling output. 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

AC/R test and load kit

Testo Smart Probes AC & Refrigeration test and load kit for testing and troubleshooting on air conditioning and refrigeration systems as well as on heat pumps. Consists of: 2x testo 115i, 2x testo 549i, 2x testo 605i, testo HVAC softcase, batteries, and certificate of calibration



Order no. 0563 0009



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 549i	testo 605i	
Sensor type	NTC	Pressure	Humidity – capacitive	NTC
Measuring range	-58 to 302 °F	-14 to 870 psi	0 to 100 %RH	
Accuracy ±1 digit	±2.3 °F (-4 to 185 °F)	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) (at 77 °F)	
Resolution	0.1 °F	0.1 psi	0.1 %RH	0.1 °F
Connection		7/16" – UNF		
Overload rel.		870 psi		
Compatibility	requires iOS 8.3 or newer / Android 4.3 or newer			
	requires mobile device with Bluetooth® 4.0			
Bluetooth® range	up to 350 ft.			
Storage temperature	-4 to 140 °F			
Operating temperature	-4 to 122 °F			
Battery type	3 AAA batteries			
Battery life	150 hrs	130 hrs	150 hrs	
Dimensions	7.2 x 3.5 x 1.2 in.	5.9 x 1.3 x 1.2 in	8.6 x 1.2 x 1.0 in. 2.9 in probe shaft	
Measurable media		CFC, HFC, HCFC, N, H ₂ O, CO ₂		
Warranty	2 years			
Measuring Units	°F, °C	bar, psi, MPa, kPa	°F, °C, %rF / %RH, °Ftd, °Ctd, wetbulb °F / °C	
Clamp opening diameter	.25 to 1.5 in.			