

Data sheet

testo Smart Probes –  
AC & refrigeration test kit plus



## testo Smart Probes – AC & refrigeration test kit plus

2 x testo 549i high-pressure measuring instrument  
2 x testo 115i clamp thermometer  
2 x testo 605i thermohygrometer  
in the testo HVAC softcase

---

Compact professional measuring instruments from the Testo Smart Probes series for use with smartphones/tablets

---

More than 90 common refrigerants stored in the testo Smart Probes App, plus refrigerant updates

---

Application-specific menus: superheating and subcooling, target superheating, heating/cooling output

---

Low refrigerant loss thanks to hoseless application

---

Measurement data analyzed and sent via testo Smart Probes App

---

100 m Bluetooth® range for particularly flexible applications

---



Bluetooth®  
+ App

testo Smart Probes App  
for free download



The compact AC & refrigeration test kit plus 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.

[www.testo.com](http://www.testo.com)

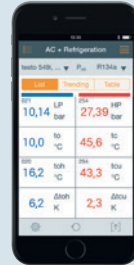
## Technical data/accessories

### testo Smart Probes – AC & refrigeration test kit plus

testo Smart Probes AC & refrigeration test kit plus for testing and troubleshooting on air conditioning and refrigeration systems as well as on heat pumps.

Consists of: 2 x testo 115i, 2 x testo 549i, 2 x testo 605i, testo HVAC softcase, batteries, calibration protocol

Order no. 0563 0002 41



#### testo Smart Probes App

The App turns your smartphone/tablet into the display for up to 6 Testo Smart Probes at the same time. Both the operation of the measuring instruments and the display of the readings are achieved by Bluetooth® via the testo Smart Probes App on your smartphone or tablet – irrespective of the measuring location. In addition, you can use the App to create measurement reports, add photos and comments to these and send them by e-mail. For iOS and Android.

	testo 115i	testo 549i	testo 605i	
Sensor type	NTC	Pressure	Humidity – capacitive	NTC
Measuring range	-40 to +150 °C	-1 to 60 bar	0 to 100 %RH	-20 to +60 °C
Accuracy ±1 digit	±1.3 °C (-20 to +85 °C)	0.5% of full scale 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 +25 °C)	±0.8 °C (-20 to 0 °C) ±0.5 °C (0 to +60 °C)
Resolution	0.1 °C	0.01 bar	0.1 %RH	0.1 °C
Connection		7/16" – UNF		
Overload rel.		65 bar		
Compatibility	requires iOS 8.3 or newer / Android 4.3 or newer			
	requires mobile terminal device with Bluetooth® 4.0			
Bluetooth® range	up to 100 m			
Storage temperature	-20 to +60 °C			
Operating temperature	-20 to +50 °C			
Battery type	3 micro batteries AAA			
Battery life	150 hrs	130 hrs	150 hrs	
Dimensions	183 x 90 x 30 mm	150 x 32 x 31 mm	218 x 30 x 25 mm, 73 mm probe shaft	
Measurable media		CFC, HFC, HCFC, N, H <sub>2</sub> O, CO <sub>2</sub>		

#### Accessories

#### Order no.

ISO relative pressure calibration certificate, 3 measuring points distributed over the measuring range	0520 0085	
ISO temperature calibration certificate, one-point calibration for clamp thermometer, calibration point +60 °C	0520 0072	
ISO humidity calibration certificate, calibration points 11.3 %RH and 75.3 %RH at +25 °C	0520 0006	
ISO humidity calibration certificate, calibration point 75.3 %RH at +25 °C	0520 0096	

