Be sure. **testo**

Digital manifold

testo 550s – the manifold with Bluetooth and 2-way valve block for commissioning, servicing and maintenance of refrigeration systems and heat pumps

All results at a glance thanks to the large graphic display

Exceptionally compact and reliable thanks to the easy-to-handle, robust housing with IP 54 protection class

Simple, wireless measurement of vacuum and temperature via automatic Bluetooth connection

Even greater flexibility for your measurements and documentation with the testo Smart App

Even easier to get results, thanks to guided measurement menus for target superheat, vacuum and pressure loss

Convenient refrigerant management in the App with favourites and automatic updates

Can be used for applications with A2L refrigerant, taking into account the relevant legislation, norms and guidelines for refrigeration systems

bar

micron

psi

kPa

°C/°F

MPa

hPa

inch Hg
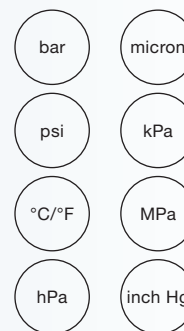
Bluetooth 5.0 + App

testo Smart App
for free download

GET IT ON
Google Play

Download on the
App Store

The testo 550s digital manifold with 2-way valve block enables you to carry out your measurements on refrigeration and air conditioning systems and heat pumps particularly fast. The large display also helps you to evaluate the results in graphic form. Stored programs guide you through the measurement and enable the automatic determination of numerous important system parameters such as superheat, pressure drop test or evacuation.

Bluetooth probes for temperature, pressure and humidity can be easily connected directly to the instrument and offer maximum flexibility in their application. In conjunction with the testo Smart App, you can take care of digital documentation directly on site. In addition to this, you always have the current refrigerants available to you, and can set your favourites and transfer them to the instrument. Its proven quality and great durability guarantee the continuously high performance of your manifold in all conditions.

Technical data/accessories/kits

Sensor types

	Pressure	Temperature
Measuring range	-1 to 60 bar	-50 to +150 °C
Accuracy (at 22 °C)	±0.5% fs	±0.5 °C
Resolution	0.01 bar	0.1 °C
Probe connections	3 x 7/16" – UNF	2 x plug-in (NTC)
Overload	65 bar	–

General technical data

Operating temperature	-20 to +50 °C
Storage temperature	-20 to +60 °C
Battery type	4 AA microcells
Battery life	250 h with no illumination, no Bluetooth® 100 h with illumination and Bluetooth®
Auto power off	After 10 minutes when not connected via Bluetooth
Dimensions	210 x 121 x 60 mm
Weight	826 g
Protection class	IP54
Bluetooth technology/ range	Bluetooth® 5.0/150 m
Compatibility	requires iOS 11.0 or newer/Android 6.0 or newer
	requires mobile terminal device with Bluetooth® 4.0

The testo Smart App
- For all applications of the testo 550s – from measurement to documentation
- Compatible with all Bluetooth-enabled Testo measuring instruments for air conditioning/ refrigeration systems and heat pumps
- Measurement errors are easily prevented thanks to menus that offer optimum support, e.g. for superheating and subcooling
- Quick analysis thanks to clear presentation of the values, e.g. in a table
- Create digital measurement reports including photos as PDF/CSV files on site and email them straight away

Measuring instrument accessories	Order no.	
Magnetic belt for digital manifolds for flexible use of the magnet or hook thanks to a simple exchange system, compatible with all digital manifolds from Testo	0564 1001	
Valve spare parts kit; exchange of 2 valve positioners with 4 valve positioner covers (red, blue and 2 x black), compatible with all digital manifolds from Testo.	0554 5570	

testo 550s kits

	testo 550s Basic Kit Smart digital manifold with fixed cable temperature probes	testo 550s Smart Kit Smart digital manifold with wireless temperature probes	testo 550s Smart Kit with filling hoses Smart digital manifold with wireless temperature probes and hose filling set (3 pcs.)
Order no.	0564 5501	0564 5502	0564 5503
Kit components			
testo 550s Smart digital manifold	✅	✅	✅
Calibration protocol	✅	✅	✅
Clamp temperature probe kit	✅		
testo 115i Wireless clamp temperature probe (Smart Probe)		✅ 2 x	✅ 2 x
Hose filling set (3 hoses)			✅
Instrument case	✅	✅	✅

Testo Smart Probes

testo 115i

testo 115i, clamp thermometer operated with smartphone, for measurement on pipelines with diameters of 6 to max. 35 mm, including batteries and calibration protocol

Order no. 0560 2115 02

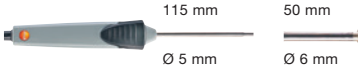| Sensor type	NTC
Measuring range	-40 to +150 °C
Accuracy ±1 digit	±1.3 °C (-20 to +85 °C)
Resolution	0.1 °C
General technical data	
Compatibility	requires iOS 11.0 or newer/Android 6.0 or newer
	requires mobile terminal device with Bluetooth® 4.0
Storage temperature	-20 to +60 °C
Operating temperature	-20 to +50 °C
Battery type	3 AAA microcells
Battery life	150 h
Dimensions	183 x 90 x 30 mm
Bluetooth® range	up to 100 m

testo 552i
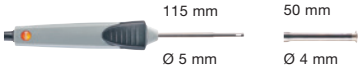
testo 552i, app-controlled wireless vacuum probe, including batteries and calibration protocol

Order no. 0564 2552

Sensor type	Pressure
Measuring range	0 to 26.66 mbar/0 to 20000 microns
Accuracy ±1 digit	±10 microns + 10% of m.v. (100 to 1000 microns)
Resolution	1 micron (0 to 1000 microns) 10 microns (1000 to 2000 microns) 100 microns (2000 to 5000 microns)
Connection	7/16" – UNF
Overload	6.0 bar/87 psi (relative: 5.0 bar/72 psi)
General technical data	
Connection	Bluetooth 4.2
Bluetooth® range	150 m
Storage temperature	-20 °C to +50 °C
Operating temperature	-10 °C to +50 °C
Battery type	3 AAA microcells
Battery life	39 h
Auto power off	After 10 minutes when not connected via Bluetooth
Protection class	IP54
Dimensions	150 x 32 x 31 mm
Weight	142 g

testo 605i

testo 605i, thermohygrometer operated with smartphone, including batteries and calibration protocol

Order no. 0560 2605 02

Sensor type	Humidity – capacitive
Measuring range	0 to 100 %RH
Accuracy (at +25 °C) ±1 digit	±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)
Resolution	0.1 %RH
Sensor type	**NTC**
Measuring range	-20 to +60 °C
Accuracy ±1 digit	±0.8 °C (-20 to 0 °C) ±0.5 °C (0 to +60 °C)
Resolution	0.1 °C
General technical data	
Compatibility	requires iOS 11.0 or newer/Android 6.0 or newer
	requires mobile terminal device with Bluetooth® 4.0
Storage temperature	-20 to +60 °C
Operating temperature	-20 to +50 °C
Battery type	3 AAA microcells
Battery life	150 h
Dimensions	218 x 30 x 25 mm
	73 mm probe shaft
Bluetooth® range	up to 100 m

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Order no.
Air probe				
Precise, robust NTC air probe	115 mm Ø 5 mm 50 mm Ø 4 mm	-50 to +125 °C	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining meas. range)	0613 1712
Surface probe				
Clamp probe for temperature in kit for measurements on pipes from 6 to 35 mm diameter, NTC, fixed cable 1.5 m		-40 to +125 °C	±1 °C (-20 to +85 °C)	0613 5507
Clamp probe for temperature measurements on pipes from 6 to 35 mm diameter, NTC, fixed cable 5.0 m		-40 to +125 °C	±1 °C (-20 to +85 °C)	0613 5506
Pipe wrap probe with Velcro tape for pipe diameters of up to max. 75 mm, Tmax +75 °C, NTC, fixed cable 1.5 m	300 mm 30 mm	-50 to +70 °C	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)	0613 4611
Pipe wrap probe (NTC) for pipe diameters of 5 to 65 mm, fixed cable 2.8 m		-50 to +120 °C	±0.2 °C (-25 to +80 °C)	0613 5605
Watertight NTC surface probe for flat surfaces, fixed cable 1.2 m	115 mm Ø 5 mm 50 mm Ø 6 mm	-50 to +150 °C Long-term measuring range +125°C, briefly +150 °C (2 minutes)	±0.5% of measured value (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining meas. range)	0613 1912

Be sure. **testo**

Clamp thermometer operated with smartphone

testo 115i

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

Measurement of flow and return temperature of heating systems

Temperature measurement on refrigeration systems for calculation of superheating and subcooling

Fast identification of temperature changes by graphic progression display

Measurement data analyzed and sent via testo Smart App

Problem-free use at measuring points that are a long distance apart – Bluetooth® range up to 100 m

°C

Bluetooth®
+ App

testo Smart App
for free download

Google play   Available on the App Store

In conjunction with a smartphone or tablet, the handy testo 115i clamp thermometer is suitable for servicing and troubleshooting on air conditioning and refrigeration systems, as well as for their installation. In addition, the measuring instrument can also be used to measure flow and return temperatures. The testo 115i makes it considerably easier to work on measuring points that are a long distance apart, thanks to wireless connection to a smartphone or tablet.

And simultaneous use of the testo 549i high-pressure measuring instrument also enables calculation of individual refrigeration system parameters, such as superheating and subcooling. Users can read off their measuring values conveniently via the testo Smart App installed on the terminal device. All measurement data are presented either as a graph or a table. Finally, the measurement data reports can be sent directly as pdf or Excel files.

Be sure. **testo**

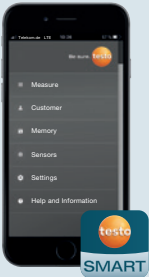# Technical data/accessories

testo 115i

testo 115i, clamp thermometer operated with smartphone, for measurement on pipelines with diameters of 6 to max. 35 mm, including batteries and calibration protocol

Order no. 0560 2115 02

testo Smart App
The App turns your smartphone/tablet into the display for the testo 115i. Both the operation of the measuring instrument and the display of the readings are achieved by Bluetooth® via the testo Smart 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.

Sensor type	NTC
Measuring range	-40 to +150 °C
Accuracy ±1 digit	±1.3 °C (-20 to +85 °C)
Resolution	0.1 °C

General technical data

Compatibility	requires iOS 11.0 or newer / Android 6.0 or newer
	requires mobile terminal device with Bluetooth® 4.0
Storage temperature	-20 to +60 °C
Operating temperature	-20 to +50 °C
Battery type	3 micro batteries AAA
Battery life	150 hrs
Dimensions	183 x 90 x 30 mm
Bluetooth® range	up to 100 m

Accessories	Order no.	
testo Smart Case (refrigeration) for the storage and transport of 2 x testo 115i and 2 x testo 549i, dimensions 250 x 180 x 70 mm	0516 0240	
testo Smart Case (heating) for the storage and transport of testo 115i, testo 410i, testo 510i, testo 549i and testo 805i, dimensions 250 x 180 x 70 mm	0516 0270	
ISO temperature calibration certificate, one-point calibration for clamp thermometer, calibration point +60 °C	0520 0072	