

Digital manifold

testo 557s – the manifold with Bluetooth and 4-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

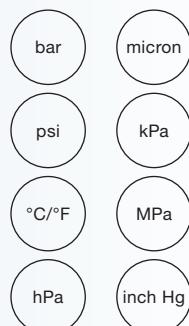
A3 and A2L compatible and over 90 stored refrigerants

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



 **Bluetooth 5.0 + App**
testo Smart App
for free download
 

The testo 557s digital manifold with 4-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.

Thanks to the testo 552i Bluetooth vacuum probe included in the kit, the testo 557, as the the first manifold ever, makes wireless vacuum measurement possible.

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 + 1 x 5/8" – 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
A3 and A2L compatible	✓
Dimensions	229 x 112.5 x 71 mm
Weight	1243 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 557s – 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 557s kits

	testo 557s Smart Vacuum Kit Smart digital manifold with wireless vacuum and temperature probes	testo 557s Smart Vacuum Kit with filling hoses Smart digital manifold with wireless vacuum and temperature probes and hose filling set (4 pcs.)
Order no.	0564 5571	0564 5572

Kit components

testo 557s Smart digital manifold	✓	✓
Calibration protocol	✓	✓
testo 552i Vacuum probe (Smart Probe)	✓	✓
testo 115i Wireless clamp temperature probe (Smart Probe)	✓ 2 x	✓ 2 x
Hose filling set (4 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
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
Bluetooth® range	73 mm probe shaft
	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 50 mm Ø 5 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	 300 mm 30 mm	-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	 300 mm 30 mm	-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	 300 mm 30 mm	-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 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