

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 large graphic display

Automatic Bluetooth connection:

Simple, wireless vacuum and temperature measurement

Fast and easy pressure value display in analogue look

Robust housing with IP54 protection for maximum reliability in daily use

All refrigerants always available:

The App automatically updates the list.

Test menu sequences for pressure leak test, vacuum, target superheat, and discharge line temperature



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. 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 superheating/subcooling, target superheat, cooling/heating capacity and many other areas besides.

Bluetooth probes for temperature, pressure and humidity can be easily connected and offer maximum flexibility in their application. In conjunction with the testo Smart App, you can take care of digital documentation directly on site.

Its proven quality and great durability guarantee the continuously high performance of your manifold in all conditions.

Technical data/accessories/kits

General technical data

Operating temperature	-10 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	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

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	–

Measuring instrument accessories

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	Order no.	0564 1001
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testo 557s kits

testo 557s Smart Vacuum Kit Smart digital manifold with wireless vacuum and temperature probes



0564 5571 02

testo 557s Smart Vacuum Kit with hose set Smart digital manifold with wireless vacuum and temperature probes and hose set (4 pcs.)



0564 5572 02

Kit components

Component	0564 5571 02	0564 5572 02
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, 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 5.0
Bluetooth® range	130 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



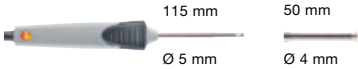





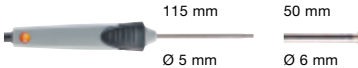
Order no. 0560 2605 02

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 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		-50 to +125 °C	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining meas. range)	0613 1712
Surface probe				
2 x 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 1.5 m		-40 to +125 °C	±1 °C (-20 to +85 °C)	0613 5505
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		-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		-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

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Subject to change, including technical modifications.

