

# testo 557s

## Digital manifold

Digital manifold with Bluetooth and 4-way valve block for commissioning, servicing and maintenance of refrigeration systems and heat pumps

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Large graphic display shows all results at a glance

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Simple, wireless humidity, temperature, and vacuum measurements via Bluetooth connectivity

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Fast and easy pressure value display in analog look

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Rugged housing with IP 54 for maximum reliability in daily use

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Refrigerant listing updates automatically using the App

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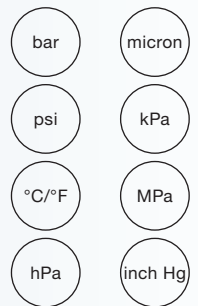
Integrated calculation of the target superheat

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Effortless and fast results

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Easy to Use



The testo 557s digital manifold with 4-way valve block enables you to carry out your measurements on refrigeration, air conditioning systems, and heat pumps fast. The testo 557s is an all in one solution that includes testo 552i Smart Probe for vacuum measurement. The large display helps evaluate the results in graphic forms. Stored programs guide you through measurements and enables the automatic determination of numerous important system parameters such as superheating/subcooling, target superheat, cooling/heating capacity and many other areas.

Bluetooth probes for temperature, vacuum, 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	14 to 122 °F
Storage temperature	-4 to 140 °F
Battery type	4 AA batteries
Battery life	250 hrs with no illumination, no Bluetooth® 100 hrs with illumination and Bluetooth®
Auto power off	After 10 minutes when not connected via Bluetooth
Dimensions	9.0 x 4.4 x 2.8 in.
Weight	2.7 lbs.
Protection class	IP54
Bluetooth technology/ range	Bluetooth® 5.0 (up to 500 ft)
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	-14 to 870 psi (-1 to 60 bar)	-58 to 302 °F
Accuracy (at 71.6 °F)	±0.5% fs	±0.9 °F
Resolution	0.1 psi (0.01 bar)	0.1 °F
Probe connections	3 x 7/16" – UNF + 1 x 5/8" – UNF	2 x plug-in (NTC)
Overload	940 psi	–

### 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 Kit with Vacuum Smart 4-valve digital manifold with wireless vacuum and temperature probes	testo 557s Smart Kit with Vacuum and Hoses Smart 4-valve digital manifold with wireless vacuum, temperature probes, and hoses (4 pcs.)
Smart 4-valve digital manifold with wireless vacuum and temperature probes		
Order no.	0564 5571 01	0564 5572 01

### 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 0.2 to 1.4 inches, including batteries and calibration protocol

Order no. 0560 2115 02



Sensor type	NTC
Measuring range	-40 to 302 °F
Accuracy ±1 digit	±2.3 °F (-4 to 185 °F)
Resolution	0.18 °F
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	-4 to 140 °F
Operating temperature	-4 to 122 °F
Battery type	3 AAA batteries
Battery life	150 hrs
Dimensions	7.2 x 3.5 x 1.2 in
Bluetooth® range	up to 325 ft
Weight	4.5 oz.

## 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	-4 to 140 °F
Accuracy ±1 digit	±1.4 °F (-4 to 32 °F) ±0.9 °F (32 to 140 °F)
Resolution	0.1 °F
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	-4 to 140 °F
Operating temperature	-4 to 122 °F
Battery type	3 AAA batteries
Battery life	150 hrs
Dimensions	8.5 x 1.2 x 1.0 in 2.9 inch probe shaft
Bluetooth® range	up to 325 ft
Weight	3.1 oz.

## testo 552i

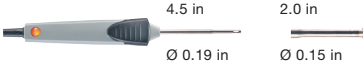





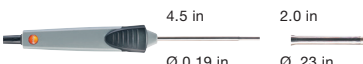
testo 552i, app-controlled wireless vacuum probe, including batteries and calibration protocol

Order no. 0564 2552 01



Sensor type	Pressure
Measuring range	0 to 20,000 microns (0 to 26.7 mbar)
Accuracy ±1 digit	±10 microns + 10% of m.v. (100 to 1,000 microns)
Resolution	1 micron (0 to 1,000 microns) 10 microns (1,000 to 2,000 microns) 100 microns (2,000 to 5,000 microns)
Connection	7/16" – UNF
Overload	87 psi (relative: 72 psi)
General technical data	
Connection	Bluetooth 5.0
Bluetooth® range	up to 425 feet
Storage temperature	-4 to 122 °F
Operating temperature	-14 to 122 °F
Battery type	3 AAA batteries
Battery life	39 hrs
Auto power off	After 10 minutes when not connected via Bluetooth
Protection class	IP54
Dimensions	5.9 x 1.3 x 1.2 in
Weight	5 oz

# Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Order no.
<b>Air probe</b>				
Precise, rugged NTC air probe		-58 to 257 °F	±0.4 °F (-13 to 176 °F) ±0.7 °F (remaining meas. range)	0613 1712
<b>Surface probe</b>				
Clamp probe for temperature in kit for measurements on pipes from 0.2 to 1.4 inch diameter, NTC, fixed cable (5 feet)		-40 to 257 °F	±1.8 °F (-4 to 185 °F)	0613 5507
Clamp probe for temperature measurements on pipes from 0.2 to 1.4 inch diameter, NTC, fixed cable (5 feet)		-40 to 257 °F	±1.8 °F (-4 to 185 °F)	0613 5505
Clamp probe for temperature measurements on pipes from 0.2 to 1.4 inch diameter, NTC, fixed cable (16 feet)		-40 to 257 °F	±1.8 °F (-4 to 185 °F)	0613 5506
Pipe wrap probe with Velcro tape for pipe diameters of up to 3 inches, Tmax 167 °F, NTC, fixed cable (5 feet)		-58 to 158 °F	±0.4 °F (-13 to 158 °F) ±0.7 °F (-58 to -13.1 °F)	0613 4611
Pipe wrap probe (NTC) for pipe diameters of 0.2 to 2.6 inches, fixed cable (9 feet)		-58 to 248 °F	±0.4 °F (-13 to 176 °F)	0613 5605
Watertight NTC surface probe for flat surfaces, fixed cable (4 feet)		-58 to 158 °F Long-term measuring range 257 °F briefly 302 °F (2 minutes)	±0.5% of measured value (212 to 302 °F) ±0.4 °F (-13 to 166.82 °F) ±0.9 °F (remaining meas. range)	0613 1912

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Subject to change, including technical modifications.