

testo 550s Digital manifold

Digital manifold with Bluetooth and 2-way valve block for commissioning, servicing and maintenance of refrigeration systems and heat pumps



Large graphic display shows all results at a glance

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

Fast and easy pressure value display in analog look

Rugged housing with IP 54 for maximum reliability in daily use

Refrigerant listing updates automatically using the App

Integrated calculation of the target superheat

Easy to Use

The testo 550s digital manifold with 2-way valve block enables you to carry out your measurements on refrigeration, air conditioning systems, and heat pumps fast. The large display helps evaluate the results in graphic forms. Stored programs guide you through measurements and enable 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	8.3 x 4.8 x 2.4 in
Weight	1.8 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	2 x plug-in (NTC)
Overload	940 psi	–

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
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 2-valve digital manifold with wired cable temperature probes



testo 550s Smart Kit
Smart 2-valve digital manifold with wireless temperature probes"



testo 550s Smart Kit with Vacuum
Smart 2-valve digital manifold with wireless vacuum and temperature probes



testo 550s Smart Kit with hoses
Smart digital manifold with wireless vacuum and temperature probes incl. hose set (3 pcs.)



Order no.	0564 5501 01	0564 5502 01	0564 5504 01	0564 5505 01
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Kit components

testo 550s Smart digital manifold	✓	✓	✓	✓
Calibration protocol	✓	✓	✓	✓
Clamp temperature probe kit	✓			
testo 115i (Smart Probe) Wireless clamp temperature probe		✓ 2 x	✓ 2 x	✓ 2 x
testo 552i (Smart Probe) Wireless vacuum probe			✓	✓
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 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 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

testo 605i

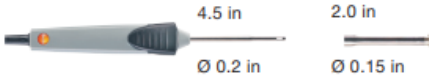
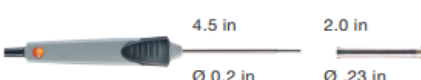
testo 605i, thermohygrometer operated with smartphone, including batteries and calibration protocol

Order no. 0560 2605 02



Sensor type	Humidity – capacitive
Measuring range	0 to 100 %RH
Accuracy (at 77 °F) ±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.

Available Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Order no.
Air probe				
Precise, rugged NTC air probe		-58 to 257 °F	±0.4 °F (-13 to 176 °F) ±0.7 °F (remaining meas. range)	0613 1712
Surface probe				
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 166.8 °F) ±0.9 °F (remaining meas. range)	0613 1912

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