

# testo 550i

## Digital Manifold

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

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Automatic recognition and controlled by testo Smart App

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Extremely rugged housing with IP 54 for maximum reliability

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The smallest digital manifold on the market

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Common refrigerants list:

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The most important refrigerants available quickly and easily

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Combine with testo Smart Probes to measure temperature, humidity, and vacuum wirelessly

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PSI

bar



The testo 550i digital manifold enables technicians to control their daily servicing and maintenance work on refrigeration, air conditioning systems, and heat pumps entirely from their smartphone/tablet. Equipped with a 2-way valve block and rugged hook, the testo 550i saves you time with its fast and easy measurements, clearly presented results and digital documentation.

In addition, this compact instrument, designed with the most essential features, automatically connects to various Bluetooth probes for temperature, pressure and humidity, thus ensuring maximum flexibility for wireless working. 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	3 AAA batteries
Battery life	130 hrs
Auto power off	After 10 minutes when not connected via Bluetooth
Dimensions	3.03 x 4.29 x 2.36 in.
Weight	1.3 lbs.
Protection class	IP54
Bluetooth technology/ range	Bluetooth® 5.0 (490 ft)
Compatibility	requires iOS 11.0 or newer/Android 6.0 or newer requires mobile terminal device with Bluetooth® 4.0

## Sensor type





## Pressure

Measuring range	-14 to 870 psi
Accuracy (at 72 °F)	±0.5% fs
Resolution	0.1 psi
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 550i kits

	<b>testo 550i App-controlled manifold</b>	<b>testo 550i Smart Kit App-controlled manifold with wireless temperature probes</b>	<b>testo 550i Smart Kit App-controlled manifold with wireless temperature and vacuum probes</b>	<b>testo 550i Smart Kit App-controlled manifold with wireless temperature probes and wireless thermohygrometers</b>
				
Order no.	0564 2550 01	0564 3550 01	0564 4550 01	0564 5550 01
Kit components				
testo 550i App-controlled manifold	✓	✓	✓	✓
Calibration protocol	✓	✓	✓	✓
testo 115i (Smart Probe) Wireless clamp temperature probe		✓ 2 x	✓ 2 x	✓ 2 x
testo 552i (Smart Probe) Wireless vacuum probe			✓	
testo 605i (Smart Probe) Wireless Thermohygrometer				✓ 2 x
Instrument case		✓	✓	✓

# Testo Smart Probes

## testo 115i

testo 115i, clamp thermometer operated with smartphone, for measurement on pipelines with diameters of 0.23 to 1.37 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 3.54 x 1.18 in
Bluetooth® range	up to 325 ft
Weight	4.49 oz.

## 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 20,000 microns (0 to 26.66 mbar)
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	87 psi (relative: 72 psi)
General technical data	
Connection	Bluetooth 5.0
Bluetooth® range	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	5.90 x 1.25 x 1.22 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 +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 1.18 x .98 in 2.87 inch probe shaft
Bluetooth® range	up to 325 ft
Weight	3.05 oz.