

testo 550i

Digital Manifold

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

Automatic recognition and controlled by testo Smart App

Extremely rugged housing with IP 54 for maximum reliability

The smallest digital manifold on the market

Common refrigerants list:

The most important refrigerants available quickly and easily

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



PSI

bar



Bluetooth 5.0
+ App

testo Smart App
for free download



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

| | | |
|--|-----------|-----------|
| 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. | Order no. | 0554 5570 |

| testo 550i kits | | | | |
|---|---|---|---|---|
| | testo 550i App-controlled manifold | testo 550i Smart Kit App-controlled manifold with wireless temperature probes | testo 550i Smart Kit App-controlled manifold with wireless temperature and vacuum probes | testo 550i Smart Kit App-controlled manifold with wireless temperature probes and wireless thermohygrometers |
| |  |  |  |  |
| 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. | |

