

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 the large graphic display

Exceptionally compact and reliable thanks to the easy-to-handle, robust housing with IP 54 protection class

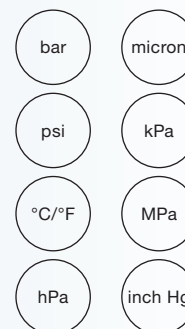
Simple, wireless measurement of vacuum and temperature via automatic Bluetooth connection


Even greater flexibility for your measurements and documentation with the testo Smart App

Even easier to get results, thanks to guided measurement menus for target superheat, vacuum and pressure loss

Convenient refrigerant management in the App with favourites and automatic updates

Can be used for applications with A2L refrigerant, taking into account the relevant legislation, norms and guidelines for refrigeration systems



 **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 particularly fast. 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 superheat, pressure drop test or evacuation.

Thanks to the testo 552i Bluetooth vacuum probe included in the kit, the testo 557, as the first manifold ever, makes wireless vacuum measurement possible.

Bluetooth probes for temperature, pressure and humidity can be easily connected directly to the instrument and offer maximum flexibility in their application. In conjunction with the testo Smart App, you can take care of digital documentation directly on site. In addition to this, you always have the current refrigerants available to you, and can set your favourites and transfer them to the instrument. Its proven quality and great durability guarantee the continuously high performance of your manifold in all conditions.

Technical data/accessories/kits

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 | – |

General technical data

| | |
|----------------------------|--|
| Operating temperature | -20 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 |



The testo Smart App

- For all applications of the testo 557s – from measurement to documentation
- Compatible with all Bluetooth-enabled Testo measuring instruments for air conditioning/refrigeration systems and heat pumps
- Measurement errors are easily prevented thanks to menus that offer optimum support, e.g. for superheating and subcooling
- Quick analysis thanks to clear presentation of the values, e.g. in a table
- Create digital measurement reports including photos as PDF/CSV files on site and email them straight away

| 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 Vacuum Kit
Smart digital manifold with wireless vacuum and temperature probes



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



| | | |
|-----------|-----------|-----------|
| Order no. | 0564 5571 | 0564 5572 |
|-----------|-----------|-----------|

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 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 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 | -20 to +60 °C |
| Accuracy ±1 digit | ±0.8 °C (-20 to 0 °C) ±0.5 °C (0 to +60 °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 | 218 x 30 x 25 mm 73 mm probe shaft |
| Bluetooth® range | up to 100 m |

testo 552i

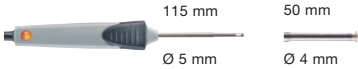




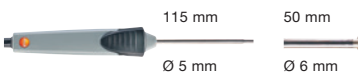
testo 552i, app-controlled wireless vacuum probe, including batteries and calibration protocol



Order no. 0564 2552

| Sensor type | Pressure |
|------------------------|---|
| Measuring range | 0 to 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 4.2 |
| Bluetooth® range | 150 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 |

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 | | | | |
| 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 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 |