

## Digital manifold

**testo 558s – the digital manifold with 4-way valve block and intuitive touchscreen**

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Intuitive app feel in your manifold with touchscreen and graphical measurement visualization

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Full flexibility thanks to unique operability via touchscreen, classic operation via keypad and testo Smart App

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Trend curves of measured values over 30 minutes

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Everything in one instrument: All applications in one manifold thanks to wireless connection to the testo Smart Probes, current clamp, vacuum pump and refrigerant scale

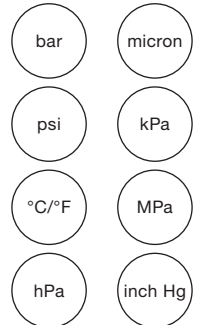
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A3 and A2L compatible for maximum safety even with flammable refrigerants

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Always ready to go with hybrid charging system consisting of batteries and rechargeable battery (USB-C)

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testo Smart App  
for free download



Working as intuitively as on a smartphone – that's what the digital manifold testo 558s provides. Touchscreen operation makes configuration, control and documentation even easier. Alternatively, the instrument can be operated entirely via the testo Smart App or via buttons for working with gloves. To make everyday work even easier, the measurement results can be shown on a large colour display in clear graphs and as 30-minute trend curves.

The high measuring accuracy of 0.25 % full scale also enables reliable evaluations. Thanks to the large number of stored measurement menus and connectivity across the entire Testo refrigeration portfolio, any application can be controlled via the manifold.





For maximum safety, the manifold is compatible with flammable class A3 and A2L refrigerants. With over 96 refrigerants stored in the manifold and regular OTA updates, the manifold is always up to date.

## Technical data / accessories / order data

| General technical data                        |  |
|---|--|
| Operating temperature                         | -20 to +50 °C  |
| Storage temperature                           | -20 to +60 °C  |
| Battery type                                  | Built-in rechargeable battery (USB-C):<br>LI battery 18650<br>Replaceable battery: 3 AA alkaline batteries |
| Battery life with backlighting and Bluetooth® | ≤ 70 hours   |
| Auto power off                                | after 10 minutes when not connected via Bluetooth®   |
| Dimensions                                    | 229 x 112.5 x 71 mm  |
| Weight  | 1.3 kg   |
| Protection class                              | IP54   |
| Display                                       | Capacitive touchscreen   |
| Bluetooth® technology/range                   | Bluetooth® 5.0/<br>150 m   |
| Data logging                                  | Available as an optional upgrade via in-app purchase (72h data logging)                                    |

| Sensor types        |                                     |                   |
|---------------------|-------------------------------------|-------------------|
|                     | Pressure                            | Temperature       |
| Measuring range     | -1 to 60 bar                        | -50 to +150 °C    |
| Accuracy (at 22 °C) | ±0.25 % fs                          | ±0.5 °C           |
| Solution            | 0.01 bar                            | 0,1 °C            |
| Probe connections   | 3 x 7/16" – UNF<br>+ 1 x 5/8" – UNF | 2 x plug-in (NTC) |
| Overload            | 65 bar                              | –                 |

### Order data testo 558s

|  | testo 558s  | testo 558s<br>Smart Vacuum Kit  | testo 558s<br>Smart Vacuum Kit<br>with filling hoses                                 | testo 558s<br>Smart Vacuum Kit<br>with clamp meter                                    |
|--|---|---|--|---|
|  |  |  |  |  |
| Kit components                                     |   |   |  |   |
| testo 558s<br>Digital manifold                     | ✓   | ✓   | ✓  | ✓   |
| 2x testo 115i wireless<br>clamp temperature probes |   | ✓   | ✓  | ✓   |
| testo 552i vacuum probe                            |   | ✓   | ✓  | ✓   |
| Hose filling set (4 hoses)                         |   |   | ✓  |   |
| TRMS clamp meter<br>testo 770-3                    |   |   |  | ✓   |
| USB-C cable  | ✓   | ✓   | ✓  | ✓   |
| 3 AA alkaline batteries                            | ✓   | ✓   | ✓  | ✓   |
| Calibration protocol<br>for testo 558s             | ✓   | ✓   | ✓  | ✓   |
| Instrument case                                    |   | ✓   | ✓  | ✓   |
| <b>Order no.</b>                                   | <b>0564 5581</b>  | <b>0564 5582</b>  | <b>0564 5583</b>   | <b>0564 5584</b>  |

# testo Smart Probes / clamp meter testo 770-3

## 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




## testo 552i

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

Order no. 0564 2552




## testo 605i

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





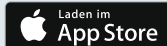
Order no. 0560 2605 02




| 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 batteries   |
| Battery life           | 150 h   |
| Dimensions             | 183 x 90 x 30 mm  |
| Bluetooth® range       | up to 100 m   |

| Sensor type pressure   |   |
|------------------------|---|
| Measuring range        | 0 to 26.66 mbar/<br>0 to 20000 microns  |
| Accuracy ±1 digit      | ±10 microns + 10% of m.v. (100 to 1000 microns)   |
| Resolution             | 1 micron (0 to 1000 microns)<br>10 micron (1000 to 2000 microns)<br>100 micron (2000 to 5000 microns) |
| Connection             | 7/16" – UNF   |
| Overload               | 6.0 bar / 87 psi<br>relative 5.0 bar / 72 psi)  |
| General technical data |   |
| Connection             | Bluetooth 4.2   |
| Storage temp.          | -20 °C to +50 °C  |
| Operating temp.        | -10 °C to +50 °C  |
| Battery type           | 3 AAA batteries   |
| 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   |
| Bluetooth® range       | 150 m   |

| Sensor type humidity – capacitive |  |
|-----------------------------------|--|
| Measuring range                   | 0 to 100 %RH   |
| Accuracy (at +25 °C) ±1 digit     | ±3.0 %RH (10 to 35 %RH)<br>±2.0 %RH (35 to 65 %RH)<br>±3.0 %RH (65 to 90 %RH)<br>±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)<br>±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 temp.                     | -20 to +60 °C  |
| Operating temp.                   | -20 to +50 °C  |
| Battery type                      | 3 AAA batteries  |
| Battery life                      | 150 h  |
| Dimensions                        | 218 x 30 x 25 mm<br>73 mm probe shaft  |
| Bluetooth® range                  | up to 100 m  |



### The testo Smart App

- For all applications of the testo 570s – from measurement to documentation
- Remote operation of the measuring instrument or use as second screen
- Quick evaluation with all results at a glance, tabular view and graphical progress display
- Guided menus for all measuring tasks
- Create digital measurement reports including photos as PDF/CSV files on site and email them straight away
- Compatible with all Bluetooth®-enabled Testo measuring instruments for air conditioning/refrigeration systems and heat pumps

## testo 770-3

testo 770-3 TRMS clamp meter with Bluetooth®

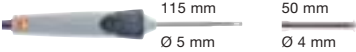




Order no. 0590 7703 02

| Measuring ranges       |  |
|------------------------|--|
| Voltage                | 1 mV to 1000 V AC<br>0.1 mV to 1000 V DC |
| Power                  | 0.01 to 600 A AC/DC                      |
| µA                     | 0.1 to 600 µA AC/DC                      |
| Resistance             | 0.1 Ω to 60 MΩ                           |
| Frequency              | 0.01 Hz ... 9.999 kHz                    |
| Capacity               | 0.001 nF to 60 mF                        |
| Temperature            | -20 to +500 °C                           |
| General technical data |  |
| Basic accuracy         | 0.1 %                                    |
| Display (counts)       | 6000                                     |

|                       |   |
|-----------------------|---|
| Measurement category  | CAT IV 600 V<br>CAT III 1000 V  |
| Operating temperature | -10 to +50 °C   |
| Dimensions            | 243 x 96 x 43 mm  |
| Weight                | 378 g   |
| Approvals             | CSA/ETL, CE   |
| Standards             | EN 61326-1, EN 61140  |
| Other                 | True RMS, continuity test, power measurement, diode test, Bluetooth®, testo Smart App |

# Probe

| Probe type  | Dimensions<br>Probe shaft/probe shaft tip   | Measuring range  | Accuracy  | Order no. |
|---|---|--|---|-----------|
| <b>Air probe</b>  |   |  |   |           |
| Precise, robust NTC air probe   |  115 mm 50 mm<br>Ø 5 mm Ø 4 mm | -50 to +125 °C   | ±0.2 °C (-25 to +80 °C)<br>±0.4 °C (remaining meas. range)                                      | 0613 1712 |
| <b>Surface probe</b>  |   |  |   |           |
| 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 (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   |  115 mm 50 mm<br>Ø 5 mm Ø 6 mm | -50 to +150 °C<br>Long-term meas. range to +125 °C, briefly to +150 °C (2 minutes) | ±0.5% of m.v. (+100 to +150 °C)<br>±0.2 °C (-25 to +74.9 °C)<br>±0.4 °C (remaining meas. range) | 0613 1912 |

# Accessories



**Charging hose set**  
Minimum refrigerant loss, maximum flexibility – for effortless and precise measurements.  
1/4" SAE: Order no. 0554 2113  
5/16" SAE: Order no. 0554 2114



**Charging hose set with valve**  
Minimal refrigerant loss and precise flow control thanks to integrated shut-off valve.  
1/4" SAE: Order no. 0554 2115  
5/16" SAE: Order no. 0554 2116



**Vacuum hose**  
Robust, tight and reliable: the new vacuum hose with permeation barrier for minimal refrigerant loss.  
Order no. 0554 2117



**Valve core remover**  
Quick valve core replacement without loss of refrigerant – for efficient and safe maintenance.  
Order no. 0554 3111



**Shut-off valve**  
Precision to perfection – for secure attachment of the charging hoses without loss of refrigerant.  
Order no. 0554 3112



**Charging hose adapter**  
Ensures smooth connections between different SAE connections.  
1/4" to 5/16" SAE: Order no. 0554 3113  
5/16" to 1/4" SAE: Order no. 0554 3114



**Magnetic strap**  
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



**Spare valve set**  
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



**Pipe wrap probes**  
Pipe wrap probe with Velcro tape for pipe diameters up to max. 75 mm, Tmax. +75°C, NTC, fixed cable 1.5 m.  
Order no. 0613 4611