Data sheet
testo 570s

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Digital manifold

testo 570s - the digital manifold with 4-way valve block, Bluetooth and large data memory

- Long-term measurement with intelligent error analysis in the testo Smart App
- World's longest battery life of up to 360 hours with rechargeable battery (USB-C) and batteries
- All measurement data at a glance and graphical progress display thanks to large display
- High durability with IP54 protection class
- Wireless measurement of temperature, vacuum and current by automatic connection of the Bluetooth probes
- Suitable for use with A2L refrigerant (in compliance with relevant legislation)

bar | micron
psi | kPa
°C/°F | MPa
hPa | inch Hg

Bluetooth 5.0 + App
testo Smart App for free download
JETZT BEI Google Play
Laden im App Store

With the new testo 570s, we are opening up the future of intelligent long-term measurement on refrigeration and air conditioning systems as well as heat pumps. Digital fault analysis in the testo Smart App allows anomalies to be detected quickly and reliably. And with the world's longest runtime of up to 360 hours and large data memory, testo 570s is ideal for long-term measurements. Behind it is the hybrid system of rechargeable battery (USB-C) and 3 batteries.

The large screen of the testo 570s provides a quick overview of all measured values as well as a graphical progress display.

For uncomplicated measurement of temperature, vacuum and current, all probes automatically connect to the manifold via Bluetooth. To make measurement even easier, stored programs guide you through the measurement process and enable automatic determination of numerous plant parameters. The subsequent documentation and sending of data is also possible with just a few clicks in the testo Smart App.

Thanks to high robustness with protection class IP54, testo 570s continuously delivers high performance even under the most difficult conditions.

www.testo.com

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: LI batttery 18650 Replaceable battery: 3 alkaline batteries AA
Battery life	With built-in rechargeable battery: ≥220 h without Bluetooth®, without illumination ≥120 h with Bluetooth® and illumination With 3 AA batteries: ≥145 h without Bluetooth®, without illumination ≥75 h with Bluetooth® and illumination
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
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

Sensor types	Pressure	Temperature
Measuring range	-1 to 60 bar	-50 to +150 °C
Accuracy (at 22 °C)	±0.25 % 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	–

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	

Order data testo 570s

	testo 570s **Smart digital manifold**	testo 570s Smart Vacuum Kit **Manifold with 2 clamp thermometers, 1 vacuum probe and case**	testo 570s Smart Vacuum Kit with filling hoses **incl. filling hose set (4 off)**	testo 570s Smart Vacuum Kit with clamp meter **incl. TRMS clamp meter**
Kit components				
testo 570s smart digital manifold	✓	✓	✓	✓
2x testo 115i wireless clamp temperature probe		✓	✓	✓
testo 552i vacuum probe		✓	✓	✓
Hose filling set (4 hoses)			✓	
testo 770-3 TRMS clamp meter				✓
Calibration protocol for testo 570s	✓	✓	✓	✓
Instrument case		✓	✓	✓
Order no.	**0564 5701**	**0564 5702**	**0564 5703**	**0564 5704**

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

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

JETZT BEI Google Play

Laden im App Store

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 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 micron (1000 to 2000 microns) 100 micron (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
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

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 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 73 mm probe shaft
Bluetooth® range	up to 100 m

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 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 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

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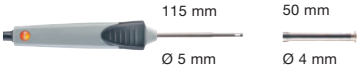
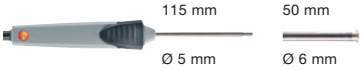
Probe

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 m.v. (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining meas. range)	0613 1912

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Subject to change, including technical modifications.