

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

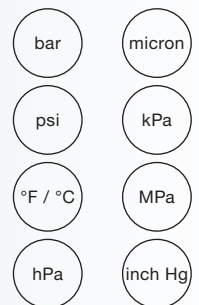
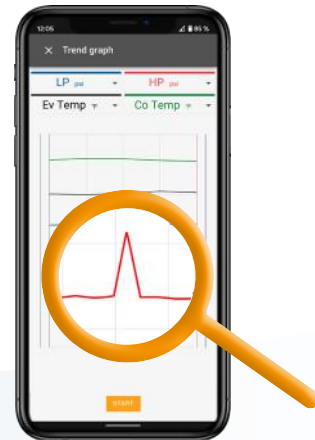
World's longest battery life of up to 360 hours with rechargeable battery (USB-C) and interchangeable AA batteries (3x)

Suitable for 90+ refrigerants incl. A3 and A2L

Highest precision even at low pressure values due to measuring accuracy of 0.25% fs

All measurement data at a glance and graphical progress display thanks to large display

High durability with IP54 protection class



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 AA 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 determination of numerous 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.

Technical data / accessories / order data

General technical data	
Operating temperature	-4° to 122 °F
Storage temperature	-4° to 140 °F
Battery type	Built-in rechargeable battery: LI battery 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	9 x 4.4 x 3 in.
Weight	2.9 lbs.
Protection class	IP54
Bluetooth® technology/range	Bluetooth® 5.0 / 500 ft.
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	-15 to 870 psi	-58° to 302 °F
Accuracy (at 72 °F)	±0.25 % fs	±0.9 °F
Resolution	0.01 psi	0.1 °F
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	

testo 570s Order data

	testo 570s Smart digital manifold	testo 570s Smart Vacuum Kit Smart digital manifold with 2 clamp thermometers, 1 vacuum probe and case	testo 570s Smart Vacuum Kit with hoses Smart digital manifold with 2 clamp thermometers, 1 vacuum probe, case and 4 hose set
			
Kit components			
testo 570s smart digital manifold	✓	✓	✓
2x testo 115i wireless clamp temperature probe		✓	✓
testo 552i vacuum probe		✓	✓
Hose filling set (4 hoses)			✓
Calibration protocol for testo 570s	✓	✓	✓
Instrument case		✓	✓
Order no.	0564 5701 01	0564 5702 01	0564 5703 01

testo Smart Probes

testo 115i

testo 115i, clamp thermometer operated with smartphone, for measurement on pipelines with diameters of 0.24 to max 1.38 in, 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 01



testo 605i

testo 605i, thermohygrometer operated with smartphone, including batteries and calibration protocol
Order no. 0560 2605 03



Sensor type NTC

Measuring range	-40° to 302 °F
Accuracy ±1 digit	±2.3 °F (-4° to 185 °F)
Resolution	0.1 °F

General technical data

Compatibility	requires iOS 11.0 or newer, Android 6.0 or newer, requires mobile 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 h
Dimensions	7 x 4 x 1 in.
Bluetooth® range	up to 100 m

Sensor type pressure

Measuring range	0 to 20000 microns
Accuracy ±1 digit	±10 microns + 10% 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	87 psi relative 72 psi

General technical data

Connection	Bluetooth 4.2
Storage temp.	-4° to 122 °F
Operating temp.	14° to 122 °F
Battery type	3 AAA batteries
Battery life	39 h
Auto power off	After 10 minutes when not connected via Bluetooth
Protection class	IP54
Dimensions	6 x 1 x 1 in.
Weight	5 oz.
Bluetooth® range	500 ft

Sensor type humidity – capacitive

Measuring range	0 to 100 %RH
Accuracy (at 77 °F) ±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

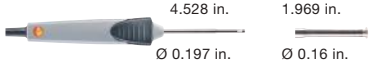
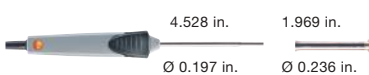
Compatibility	requires iOS 11.0 or newer, Android 6.0 or newer, requires mobile device with Bluetooth® 4.0
Storage temp.	-4° to 140 °F
Operating temp.	-4° to 122 °F
Battery type	3 AAA batteries
Battery life	150 h
Dimensions	10 x 1 x 1 in. 3.937 in. probe shaft
Bluetooth® range	up to 500 ft.



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

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Order no.
Air probe				
Precise, robust NTC air probe		-58° to 257 °F	±0.4 °F (-13° to +176 °F) ±0.7 °F (remaining meas. range)	0613 1712
Surface probe				
Clamp probe for temperature in kit for measurements on pipes from 0.24 to 1.38 in diameter, NTC, fixed cable 5 ft.		-40° to 257 °F	±2 °F (-4° to +185 °F)	0613 5507
Clamp probe for temperature measurements on pipes from 0.24 to 1.38 in diameter, NTC, fixed cable 16 ft		-40° to 257 °F	±2 °F (-4° to +185 °F)	0613 5506
Pipe wrap probe with Velcro tape for pipe diameters of up to max. 75 mm, Tmax 167 °F, NTC, fixed cable 5 ft.		-58° to 158 °F	±0.4 °F (-13° to 158 °F) ±0.7 °F (-58° to -13.2 °F)	0613 4611
Pipe wrap probe (NTC) for pipe diameters of 0.19 to 2.56 in, fixed cable 9 ft.		-58° to 248 °F	±0.4 °F (-13° to 176 °F)	0613 5605
Watertight NTC surface probe for flat surfaces, fixed cable 4 ft.		-58° to 302 °F Long-term measuring range 257 °F, briefly 302 °F (2 minutes)	±0.5% of m.v. (212° to 302 °F) ±0.4 °F (-13° to 166.8 °F) ±0.7 °F (remaining meas. range)	0613 1912