Be sure. testo

Digital manifold

testo 550 – the manifold with Bluetooth and 3-hose filling set for refrigeration systems and heat pumps

Bluetooth connection to testo Smart App for quick, convenient monitoring and reporting on site

Refrigerant update in the instrument via App

Calculation of superheating/subcooling in real time via two external temperature probes

2-way valve block with three connections, three hose parkers and sight glass

250 hours' battery life

bar   kPa

psi   MPa

°C/°F

Bluetooth + App

testo Smart App
for free download

GET IT ON Google Play   Download on the App Store

The testo 550 digital manifold is the robust tool for daily use on refrigeration systems and heat pumps. The robust 2-way metal valve block with 3 connections and 3 hose parkers allows you to work quickly and easily.
The Bluetooth connection to the testo Smart App opens up new possibilities for efficient analysis and documentation. Via wireless connection, users can read the measurement data on a smartphone or tablet, thus working considerably faster and more conveniently. Measurement data is automatically saved in the app and measuring points can be assigned for straightforward documentation. In addition to this, the user can finalize and send the measurement report directly on site. The app can also be used to update the list of stored refrigerants, for example.

The more robust housing with a metal frame around the display protects the digital manifold testo 550 from impact even more reliably. The vacuum display indicates the level of vacuum reached in evacuation. The testo 550 is thus excellently suitable for commissioning, service and maintenance. Thanks to additional features such as the automatic heat pump mode, which eliminates the need to switch over the hoses, and the temperature-compensated tightness test function, working on refrigeration systems and heat pumps is easier than ever before.

www.testo.com

Technical data / Accessories

testo 550 set

Bluetooth

testo 550 kit, digital manifold with Bluetooth and 3-hose filling set for refrigeration systems and heat pumps; incl. 3-hose filling set, 2 x clamp temperature probes, batteries, case and calibration protocol

Part no. 0563 2550

General technical data

Operating temperature	-20 to +50 °C
Storage temperature	-20 to +60 °C
Battery life	250 h (without illumination, without Bluetooth®)
Dimensions	200 x 109 x 63 mm
Weight	1060 g
Protection class	IP42
Refrigerants in the instrument	R114; R12; R123; R1233zd; R1234yf; R1234ze; R124; R125; R13; R134a; R22; R23; R290; R32; R401A; R401B; R402A; R402B; R404A; R407A; R407C; R407F; R407H; R408A; R409A; R410A; R414B; R416A; R420A; R421A; R421B; R422B; R422C; R422D; R424A; R427A; R434A; R437A; R438A; R442A; R444B; R448A; R449A; R450A; R452A; R452B; R453a; R454A; R454B; R454C; R455A; R458A; R500; R502; R503; R507; R513A; R600a; R718 (H$_2$O); R744 (CO$_2$)
Refrigerant updates via App	R11; FX80; I12A; R1150; R1270; R13B1; R14; R142B; R152A; R161; R170; R227; R236fa; R245fa; R401C; R406A; R407B; R407D; R41; R411A; R412A; R413A; R417A; R417B; R417C; R422A; R426A; R508A; R508B; R600; RIS89; SP22
Compatability	requires iOS 12.0 or newer / Android 6.0 or newer
	requires mobile end device with Bluetooth 4.0

Technical data 3-hose filling set
- Hoses (blue, red, yellow) for all common refrigerants, including R410A
- Length 1.5 m with connections 7/16" UNF straight and 7/16" UNF angled 45°
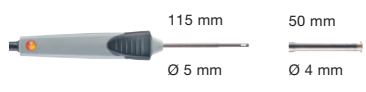- working pressure 55 bar, bursting pressure 275 bar

Sensor types
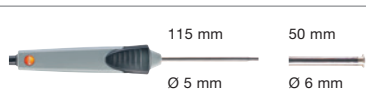
	Pressure	Temperature	Vacuum
Measuring range	-1 to 60 bar	-50 to +150 °C	-1 bar to 0 bar
Accuracy (at 22 °C)	±0.5 % fs	±0.5 °C	–
Resolution	0.01 bar	0.1 °C	–
Probe connections	3 x 7/16" – UNF	2 x plug-in (NTC)	–
Overload	65 bar	–	–

Accessories for measuring instrument

|	Part no.	
Transport case for testo 550 and accessories	0516 0012	
Spare valve set; exchange of 2 valve mechanisms with 4 valve knob covers (red, blue, 2 x black), compatible with testo 549, testo 550, testo 557 and testo 570.	0554 5570	

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Part no.
Air probes				
Efficient, robust NTC air probe	115 mm / Ø 5 mm — 50 mm / Ø 4 mm	-50 to +125 °C	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining range)	0613 1712
Surface probes				
Clamp probe for measurement on pipes for diameter 6 to 35 mm, NTC, Fixed cable 1.5 m		-40 to +125 °C	±1 °C (-20 to +85 °C)	0613 5505
Clamp probe for temperature measurements on pipes from 6 mm 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 for pipe diameter to max. 75 mm, Tmax. +75 °C, NTC, Fixed cable 1.5 m	300 mm / 30 mm	-50 to +70 °C	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)	0613 4611
Pipe clamp probe (NTC) for pipe diameters 5 to 65 mm, Fixed cable 2.8 m		-50 ... +120 °C	±0.2 °C (-25 ... +80 °C)	0613 5605
Waterproof NTC surface probe for flat surfaces, Fixed cable 1.2 m	115 mm / Ø 5 mm — 50 mm / Ø 6 mm	-50 to +150 °C Long-term meas. range +125 °C, short-term +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 range)	0613 1912

The suspension hook guarantees secure attachment of the digital manifold during measurement.

Clamp probe for pipes from Ø 6 mm to Ø 35 mm, NTC
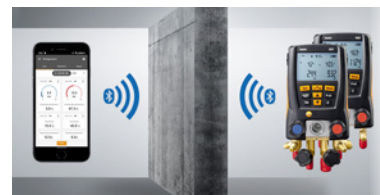
Bluetooth®

Bluetooth connection to the testo Smart App for displaying the measurement data on mobile devices and finalizing the measurement report on site.