

Digital manifold

testo 550 – The manifold for refrigeration systems and heat pumps

Calculation of superheating/subcooling in real time with up to two external temperature probes

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

The 40 most common refrigerants are stored in the instrument

Display illumination for better legibility in dark surroundings

Automatic heat pump mode

Temperature-compensated tightness test



testo 550 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 holders allows fast and easy work.

The solid housing reliably protects the testo 550 from knocks. During measurement, the suspension hook guarantees secure attachment of the digital manifold. The vacuum display informs of the vacuum reached during evacuation. This makes the testo 550 excellent for service, maintenance and commissioning tasks.

Thanks to further instrument functions such as the automatic heat pump mode, which makes switching over the refrigerant hoses superfluous, and the temperature-compensated tightness test function, work on refrigeration systems and heat pumps is easier than ever.

Technical data / Accessories

testo 550-1 Set

testo 550-1 set digital manifold for service and maintenance on refrigeration systems, 1 clamp probe for measuring on pipes, calibration protocol and batteries

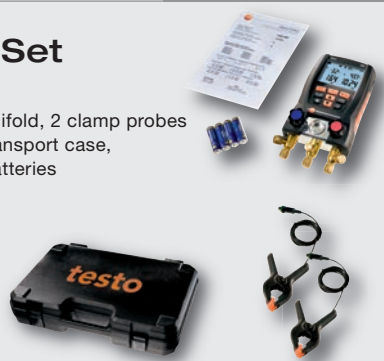
Part no. 0563 5505



testo 550-2 Set

testo 550-2 set digital manifold, 2 clamp probes for measuring on pipes, transport case, calibration protocol and batteries

Part no. 0563 5506



General technical data

Operating temperature	-10 to +50 °C
Storage temperature	-20 to +60 °C
Battery life	Approx. 150h (without illumination)
Dimensions	200 x 113 x 62 mm
Weight	1060 g
Pressure media	CFC, HFC, N, H ₂ O, CO ₂ (sub-critical)
Refrigerants in instrument	R12, R22, R123, R134a, R290, R401A, R401B, R402A, R402B, R404A, R406A, R407A, R407C, R408A, R409A, R410A, R411A, R413A, R414B, R416A, R417A, R420A, R421A, R421B, R422A, R422B, R422D, R424A, R427a, R434A, R437A, R438A, R502, R503, R507, R600, R600a, R744 (only in the permitted measurement range up to 50 bar), R1234yf (display: T8) Refrigerant update possible (by Testo service)
Warranty	2 years

Sensor types

	Pressure	Temperature	Vacuum
Measuring range	50 bar	-50 to +150 °C	-
Measuring range (rel.)	-	-	-1 bar to 0 bar
Accuracy (at 22 °C)	±0.75 % fs (±1 digit)	±0.5 °C	-
Resolution	0.01 bar / 0.1 psi	0.1 °C / 0.1 °F	-
Probe connections	3 x 7/16"-UNF	2 x plug-in (NTC)	-
Overload rel. (LP/HP)	60 bar / 60 bar	-	-
Low pressure rel. (LP) High pressure rel. (HP)	50 bar / 50 bar	-	-

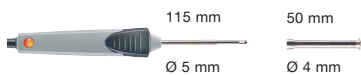



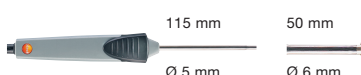
Accessories

Part no.

Accessories for measuring instrument

Transport case for testo 550 and accessories	0516 5505	
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Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Part no.
Air probes				
Efficient, robust NTC air probe		-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		-40 to +125 °C	±1 °C (-20 to +85 °C)	0613 5505
Pipe wrap probe with Velcro for pipe diameter 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 clamp probe (NTC) for pipe diameters 5 to 65 mm, Fixed cable 1.2 m		-50 ... +120 °C	±0.2 °C (-25 ... +80 °C)	0613 5605
Waterproof NTC surface probe for flat surfaces, Fixed cable 1.2 m		-50 to +150 °C Long-term meas. range +125 °C, short-term +150 °C (2 minutes)	±0.5% of mv (+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



Large, backlit display

