

Digital manifold

testo 557 - The manifold for commissioning, service and maintenance

Calculate superheating and subcooling simultaneously

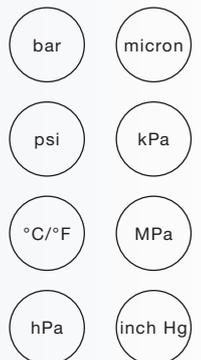
Integrated vacuum measurement supports the evacuation of systems

Temperature-compensated tightness test

Automatic ambient pressure measuring

40 refrigerants are stored in the instrument

4-way valve block for fast and efficient work



The digital manifold testo 557 is a robust tool for all measurements on a refrigeration system or a heat pump. The manifold disposes of a robust 4-way metal valve block with additional connection options, for example for a vacuum pump or refrigerant bottle. This provides a definite advantage in the handling and enables fast and efficient service, maintenance and commissioning. The solid housing reliably protects the testo 557 against any strain in everyday work. The integrated vacuum measurement enables reliable

measurement results when evacuating refrigeration systems and heat pumps. Especially the automatic heat pump mode, which makes switching over the refrigerant hoses superfluous, the temperature-compensated tightness test function and the automatic ambient pressure compensation, make the work more safe, efficient and precise than ever before.

Technical data / Accessories

testo 557

Digital manifold testo 557 incl. batteries and calibration protocol

Part no. 0563 5571



testo 557 Set

testo 557-2 set, the digital manifold for commissioning, service and maintenance, 4-way valve block, integrated vacuum measurement, incl. 2 clamp probes, transport case, calibration protocol and batteries

Part no. 0563 5572



General technical data

Oper. temp.	-20 to +50 °C
Storage temp.	-20 to +60 °C
Battery life	Approx. 150 h (without illumination)
Dimensions	280 x 135 x 75 mm
Weight	1200 g
Print media	CFC, HFC, N, H ₂ O, CO ₂

Refrigerant in the instrument	R12, R22, R123, R134a, R227, 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, R718 (H ₂ O), R744 (only in the permitted measurement range up to 50 bar), R1234yf (display: T8 for testo 557)
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Sensor types

	Pressure	Temperature	Vacuum
Meas. range	50 bar	-50 to +150 °C	-
Meas. range (rel.)	-	-	-1 bar ... 0 bar
Accuracy (at 22 °C)	0.5% fs (±1 Digit)	±0.5°C (±1 Digit)	1% fs
Resolution	0.01 bar / 0.1 psi	0.1 °C/0.1 °F	1 hPa / 1 mbar / 500 micron
Probe connections	3 x 7/16" - UNF + 1 x 5/8" - UNF	2 x plug-in (NTC)	-
Overload rel. (LP/HP)	52 bar / 52 bar	-	-
Low pressure rel. (LP) High pressure rel. (hP)	50 bar / 50 bar	-	-

Accessories

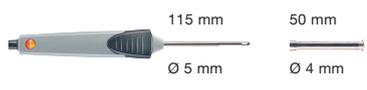
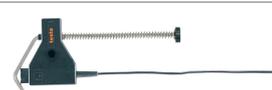
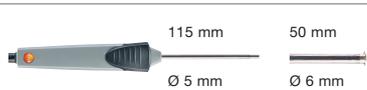
Part no.

Accessories for measuring instrument

Transport case for testo 550 and accessories*	0516 5505
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* also suitable for testo 557

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

