

Digital manifold

testo 570 – The manifold for measuring, analysing and documenting

Calculate superheating and subcooling simultaneously

Record pressure, temperature, current and vacuum measurement in one instrument

999 hours recording measurement values

40 refrigerants stored

Report printout on site with Testo fast printer



The digital manifold testo 570 is a robust tool for all imaginable measurements on a refrigeration system or heat pump. The instrument is capable of considerably more than just measurement. Pressures, temperatures, vacuum or current – testo 570 analyses them all. It stores all measurement data, right from commissioning, to service and maintenance, through to the error analysis of a system.

The internal data memory replaces manual work steps. This means that, for example, long-term measurements can be carried out, or data can be recorded in real time and presented graphically. Errors can be found and rectified more quickly in cases of malfunction. Manual documentation is also a thing of the past. Measurement protocols can be produced on site and results traced at any time. This ensures transparency and inspires trust in the customer.

Technical data

testo 570-1 Set

testo 570-1 set digital manifold for all measurement tasks on refrigeration systems and heat pumps, 4-way-valve block, internal data memory, integrated vacuum measurement, 3 temperature probe connections, calibration protocol, clamp probe and batteries included
Part no. 0563 5701



testo 570-2 Set

testo 570-2 set digital manifold for all measurement tasks on refrigeration systems and heat pumps, 4-way-valve block, internal data memory, integrated vacuum measurement, 3 temperature probe connections, calibration protocol, 2x clamp probes, software (free download) with USB cable, transport case, mains unit and batteries included



Part no. 0563 5702

General technical data

Memory	up to 999 h recording
Display	LCD graphics display
Operating temperature	-20 to +50 °C
Storage temperature	-20 to +60 °C
Battery life	approx. 40 h (w/o illumination)
Dimensions	280 x 135 x 75 mm
Weight	1200 g
Protection class	IP42
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 Refrigerant update possible by customer (via "EasyKool" software)
Warranty	2 years

Sensor types


	Pressure	Temperature	Vacuum
Measuring range	50 bar	-50 to +150 °C	-
Measuring 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	3 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

Accessories for measuring instrument	Part no.
Transport case for testo 550 and accessories*	0516 0012
Plug-in mains adapter, 5 VDC 500 mA with European adapter, 100-250 VAC, 50-60 Hz	0554 0447
USB connection cable, instrument-PC	0449 0047
Testo fast printer IrDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries	0554 0549

* Also suitable for testo 570

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 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		-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
More probes				
Current probe for measuring current consumption of compressors, with switchable measuring range Fixed cable 2.9 m		0 to 20/200 A	0 to 9.9 A 4% 10 to 49.9 A 3% 50 to 200 A 2%	0554 5607
Oil pressure probe to monitor the oil level with 2.9 m cable, refrigerant and oil resistant Fixed cable 2.9 m		0 to 25 bar rel	1.5 % of fsv Overload: 50 bar	0638 1742

