

## Digital manifold

**testo 570 – The manifold for measuring, analysing and documenting**

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Calculate superheating and subcooling simultaneously

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

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999 hours recording measurement values

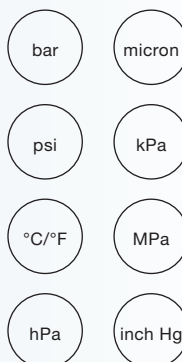
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40 refrigerants stored

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Report printout on site with Testo fast printer

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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 <sub>2</sub> O, CO <sub>2</sub>

### 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<sub>2</sub>O), R744 (only in the permitted measurement range up to 50 bar), R1234yf  
Refrigerant update possible by customer (via „EasyKool“ software)

### 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 (also suitable for testo 570)	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	
Software EasyKool for measuring data management (USB cable included)	0554 5604	
Testo fast printer IrDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries	0554 0549	
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.
<b>Air probes</b>				
Efficient, robust NTC air probe		-50 to +125 °C	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining range)	0613 1712
<b>Surface probes</b>				
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
<b>More probes</b>				
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

