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Testo 570 Digital Manifold with Data Storage



The testo 570 is a robust digital manifold with a 4-way valve block that's ideal for installing and troubleshooting all types of refrigeration, heat pumps and AC systems. Use it daily for calculating superheat and subcooling simultaneously, in real time, with two external temperature probes. During heat pump mode the 570 saves you time by automatically switching over the high and low side pressure and temperature without having to change the hoses.

For long term or multiple measuring cycles the 570 can be programmed and left to automatically collect and store data for up to 99 hours. This internal memory gives the technician the ability to accurately diagnose system errors that could easily have been missed in a manual process.

Use Testo's easyKool software, exclusive to Testo Digital Manifolds, for complete data management, providing onsite reports to customers and printing and displaying measuring results.

Features

- Four-way valve block with four connections, four hose parkers and sight glass
- Simultaneous superheating and subcooling calculations in real-time using two external temperature probes
- Integrated vacuum measurement to support system evacuation
- Temperature-compensated leak testing
- Heat pump mode
- Three temperature probe connections
- Newly updated EasyKool software
- 40 refrigerant profiles stored in instrument
- Record up to 72 hours of measurement values

Testo Inc. 800-227-0729 info@testo.com www.testo.com

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Technical Data

Pressure	psi /kPa / MPa/ bar
Temperature	°F / °C / K
Vacuum	psi / hPa / mbar / Torr / in H_2O / Micron / in Hg / Pa / bar
SENSORS:	
Pressure	2 x pressure sensors
Temperature	3 x NTC
Interfaces	3 x Mini-DIN, 1x Mini USB, 1x IR
MEASURING RANGES:	
Pressure HP/LP (rel)	0 to 725 psi; -100 to 5000 kPa; -0.1 to 5 MPa; -1 to 50 bar;
Temperature	-58° to 302°F
Vacuum (rel)	-14.5 to 0 psi
Overload pressure	754 psi; 52 bar
RESOLUTION:	
Pressure	0.1 psi; 1 kPa; 0.001 MPa; 0.01 bar;
Temperature	0.1 °F ; 0.1 °C
Vacuum	1hPa/ 0.5Torr/ 0.5inH2O/ 100Pa/ 500Micron / 1mbar
ACCURACY (AT 72° F):	
Pressure	± 0.5 %fs
Temperature	± 1.0 °F
Vacuum	500Micron / 1hPa / 0.5Torr / 0.5inH2O/ 100Pa / 1mbar
No. of refrigerants	40
Selectable refrigerants	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, 422D, R424A, R427A, R434A, R437A, R438A, R502, R503, R507, R600, R600a, R744, R1234yfR
Measurable media	CFC, HFC, N, H_2O, CO_2
AMBIENT CONDITIONS:	
Operating temperature	-4° to 122°F
Storage temperature	-4° to 140°F
Humidity application range	10 to 90% RH

HOUSING:	
Material	IP Protection class: 42
Dimensions	11in. x 5.25in. x 3in.
Weight	approx. 2.6 lb (without batteries)
IP-class	42
POWER SUPPLY:	
Current source	4 x AA
Battery life	>40 hrs. (without backlight), 72°F
DISPLAY:	
Type	Illuminated LCD display
WARRANTY DURATION:	2 years

Ordering Information

	PART NUMBER
testo 570 Set - Digital manifold testo 570 including batteries, calibration certificate, 2X clamp probe, transport case and USB data cable	0563 5703
TEMPERATURE PROBES	
Clamp probe for pipes from 1/4" to 1-1/3" , NTC	0613 5505
Pipe wrap probe with Velcro tape for pipe diameters of up to max. 75mm, Tmax 167°F, NTC	0613 4611
Watertight NTC surface probe for flat surfaces	0613 1912
Precise, robust NTC air probe	0613 1712
Pipe clamp probe for pipe diameters 5 to 65mm	0613 5605
ACCESSORIES	
Current probe for the measurement of current consumption on compressors with switchable measuring range	0554 5607
Oil pressure probe for checking oil level in compressor	0638 1742
Transport case, with space for testo 570, probes, accessories and refrigerant hoses	0516 5700
Power supply, 5VDC 500mA with Euro plug, 100-250VAC, 50-60Hz	0554 0447
EasyKool software	0554 5604
Testo fast printer with wireless infrared interface, 1 roll of thermal paper and 4 AA batteries	0554 0549
USB connection cable, instrument-PC	0449 0047

Distributor:

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Information subject to change without notice.