

# testo 570

## Digital Manifold with Data Storage



The new 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 sub cooling 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 diagnosis system errors** that could easily have been missed in a manual process.

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



### MEASURES

Temperature

Pressure

Superheat

Subcooling

Vacuum

Current

### 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 570

## Digital Manifold with Data Storage

### Technical Data

Pressure	psi / kPa / MPa / bar
Temperature	°F / °C / K
Vacuum	psi / hPa / mbar / Torr / in H <sub>2</sub> O / Micron / in Hg / Pa / bar
<b>SENSORS:</b>	
Pressure	2 x pressure sensors
Temperature	3 x NTC
Interfaces	3 x Mini-DIN, 1x Mini USB, 1x IR
<b>MEASURING RANGES:</b>	
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
<b>RESOLUTION:</b>	
Pressure	0.1 psi; 1 kPa; 0.001 MPa; 0.01 bar
Temperature	0.1 °F; 0.1 °C
Vacuum	1 hPa / 0.5 Torr / 0.5 inH <sub>2</sub> O / 100 Pa / 500 Micron / 1 mbar
<b>ACCURACY (at 72°F):</b>	
Pressure	± 0.5 %fs
Temperature	± 1.0 °F
Vacuum	500 Micron / 1 hPa / 0.5 Torr / 0.5 inH <sub>2</sub> O / 100 Pa / 1 mbar
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, R422D, R424A, R427A, R434A, R437A, R438A, R502, R503, R507, R600, R600a, R744, R1234yf
Measurable media	CFC, HFC, N, H <sub>2</sub> O, CO <sub>2</sub>
<b>AMBIENT CONDITIONS:</b>	
Operating temperature	-4° to 122°F
Storage temperature	-4° to 140°F
Humidity application range	10 to 90% RH

### Distributor:

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

### Ordering Information

	PART NUMBER
testo 570 Kit: Digital manifold testo 570 including batteries, calibration certificate, 2X clamp probe, transport case, with USB data cable	0563 5703
<b>TEMPERATURE PROBES</b>	
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. 75 mm, 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 (NTC) for pipe diameters 5 to 65 mm	0613 5605
<b>ACCESSORIES</b>	
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, 5 VDC 500 mA with Euro plug, 100 - 250 VAC, 50 - 60 Hz	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

Contact:  
 Industrial Process Measurement, Inc.  
 3910 Park Avenue, Unit 7  
 Edison, NJ 08820  
 732-632-6400  
 support@instrumentation2000.com  
<http://www.instrumentation2000.com>