

# 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 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                      | 1hPa/ 0.5Torr/ 0.5inH2O/ 100Pa/ 500Micron / 1mbar  |
| <b>ACCURACY (AT 72° F):</b> |  |
| 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 <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   |

|                                   |                                    |
|-----------------------------------|------------------------------------|
| <b>HOUSING:</b>                   |                                    |
| Material                          | IP Protection class: 42            |
| Dimensions                        | 11in. x 5.25in. x 3in.             |
| 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: 2 years</b> |                                    |

## 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   |
| <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. 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   |
| <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, 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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