

# Digital manifold kit

testo 550 – Bluetooth and app supported



Measures high side / low side pressures and temperatures

Accurate, simultaneous super heat/subcooling in real time

App integration via Bluetooth for monitoring and reporting

60 refrigerant profiles onboard

Refrigerant updates in the instrument via App

2-way valve block with three connections, large, 2-line backlit display

5 year warranty with registration



The testo 550 Digital Manifold opens up new possibilities for efficient analysis and documentation thanks to the integration of Bluetooth connectivity with the testo Refrigeration App. You can clearly read measurement data, such as automatic calculations of superheat and sub-cool on a Smartphone or Tablet, allowing you to work quickly and conveniently. In addition to this, measurement reports can be created and sent directly from the job site.

The more rugged housing of the testo 550 includes a metal frame around the display which protects the screen from impact. Now with 60 refrigerant profiles standard and the ability to update the refrigerant list directly from the app, you can be confident that your digital manifold will always be up to date. With the added functionality of leak tests and an optional kit which comes complete with hoses, the Testo 550 digital manifold is versatile enough to be the tool for every job.



## Technical data / Accessories

### testo 550

testo 550 digital manifold with Bluetooth;  
incl. 2 x clamp probes, batteries, case and  
calibration certificate



Part no. 0563 1550

### testo 550 with hoses

testo 550 digital manifold with Bluetooth; incl.  
2 x clamp probes, set of (3) 60 inch  
refrigeration hoses, batteries, case and  
calibration certificate



Part no. 0563 2550

## Technical Data

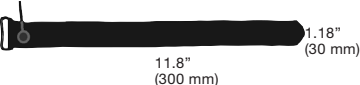
|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature             | -4° to 122 °F (-20 to +50 °C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage temperature               | -4° to 140 °F (-20 to +60 °C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Battery life<br>(4 x AA)          | 250 h (less with use of Bluetooth, backlight<br>or vacuum)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Dimensions                        | 8.7 x 4.0 x 2.75 in. (220 x 125 x 70 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Weight                            | 2.6 lb (1200 g)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protection class                  | IP42 (splash proof)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Refrigerants in the<br>instrument | 60 profiles: R11, R12, R123, R1234yf,<br>R1234ze, R125, R13B1, R134a, R14, R142B,<br>R152a, R161, R22, R227, R23, R290, R32,<br>R401A, R401B, R401C, R402A, R402B,<br>R404A, R406A, R407A, R407B, R407C,<br>R407D, R407F, R408A, R409A, R410A,<br>R411A, R412A, R413A, R414B, R416A,<br>R417A, R420A, R421A, R421B, R422A,<br>R422B, R422C, R422D, R424A, R426A,<br>R427A, R434A, R437A, R438A, R502, R503,<br>R507, R508A, R508B, R600, R600a, R744<br>(CO <sub>2</sub> ), R718 (H <sub>2</sub> O), update via App |
| Warranty                          | 2 years; 5 years with registration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



## Specifications

|                     | Pressure                        | Temperature                    | Vacuum (indication)              |
|---------------------|---------------------------------|--------------------------------|----------------------------------|
| Measuring range     | -14.7 to 870 psi (-1 to 60 bar) | -58 to 302 °F (-50 to +150 °C) | -14.7 to 0 psi (-1 bar to 0 bar) |
| Accuracy (at 70 °F) | ±0.5 % fs                       | ±.9 °F (±0.5 °C)               | –                                |
| Resolution          | 0.1 psi (0.01 bar)              | 0.1 °F (0.1 °C)                | –                                |
| Connections         | 1/4"                            | 2 x plug-in (NTC probes)       | –                                |
| Overload            | 940 psi (65 bar)                | –                              | –                                |

# Probes

| Probe type                                                                                      | Dimensions<br>Probe shaft/probe shaft tip                                                                                                                            | Measuring<br>range                                                              | Accuracy                                                                                                     | Part no.  |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|
| <b>Air probes</b>                                                                               |                                                                                                                                                                      |                                                                                 |                                                                                                              |           |
| Efficient, robust NTC air probe                                                                 |  4.5"<br>(115 mm)<br>Ø 0.2"<br>(Ø 5 mm)<br>1.9"<br>(50 mm)<br>Ø 0.15"<br>(Ø 4 mm)   | (-50 to +125 °C)                                                                | ±0.4° F (-13 to 176 °F)<br>±0.2 °C (-25 to +80 °C)<br>±0.7 °F (remaining range)<br>±0.4 °C (remaining range) | 0613 1712 |
| <b>Surface probes</b>                                                                           |                                                                                                                                                                      |                                                                                 |                                                                                                              |           |
| Clamp probe for pipes to 1.38" diameter (35 mm), NTC, Fixed cable 4.9 ft. (1.5 m)               |                                                                                     | -40 to 257 °F<br>(-40 to 125 °C)                                                | ±1.8 °F (-4 to 185 °F)<br>±1 °C (-20 to +85 °C)                                                              | 0613 5505 |
| Clamp probe for pipes to 1.38" diameter (35 mm), NTC, Fixed cable 14.0 ft. (5.0 m)              |                                                                                     | -40 to 257 °F<br>(-40 to 125 °C)                                                | ±1.8 °F (-4 to 185 °F)<br>±1 °C (-20 to +85 °C)                                                              | 0613 5506 |
| Pipe wrap probe with Velcro for pipe diameter to max. 3" (75 mm), NTC, Fixed cable 4.9" (1.5 m) |  11.8"<br>(300 mm)<br>1.18"<br>(30 mm)                                              | -58 to 158 °F<br>(-50 to +70 °C)                                                | ±0.4° F (-13 to 158 °F)<br>±0.2 °C (-25 to +70 °C)<br>±0.8° F (-58 to -13 °F)<br>±0.4 °C (-50 to -25.1 °C)   | 0613 4611 |
| Pipe clamp probe (NTC) for pipe diameters 0.2" to 2.5" (5 to 65 mm), Fixed cable 5.6' (1.2 m)   |                                                                                   | -58 to 248 °F<br>(-50 ... +120 °C)                                              | ±0.4° F (77 to 176 °F)<br>±0.2 °C (-25 ... +80 °C)                                                           | 0613 5605 |
| Waterproof NTC surface probe for flat surfaces, Fixed cable 1.2 m                               |  4.5"<br>(115 mm)<br>Ø 0.2"<br>(Ø 5 mm)<br>1.9"<br>(50 mm)<br>Ø 0.24"<br>(Ø 6 mm) | -50 to +150 °C<br>Long-term meas. range +125 °C, short-term +150 °C (2 minutes) | ±0.5% of m.v. (+100 to +150 °C)<br>±0.2 °C (-25 to +74.9 °C)<br>±0.4 °C (remaining range)                    | 0613 1912 |

## Accessories

|                                                  |                                                                                     | Part No.    |
|--------------------------------------------------|-------------------------------------------------------------------------------------|-------------|
| Transport case for testo 549/550 and accessories |  | 0516 0012   |
| Two-valve field replacement kit                  |  | 400554 5500 |



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Subject to change without notice.