

testo 550 · Digital Manifold

Quick Start Guide





Product overview



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Power On/Off

- 1. Press the power button to turn testo 550 on.
 - All display segments are lit (2 s).
- 2. Measurement view is displayed
- 3. Press the power button to turn testo 550 off.

Set the Refrigerant

- 1. Press the [R, Start/Stop] button so you can choose the required refrigerant.
- 2. Use the arrow keys to scroll through the choices.
- 3. Press the [R, Start/Stop] button to set the chosen refrigerant.



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Set the Units/Altitude/Mode

- 1. Press the [Set] button once to get to temperature units menu.
 - Choose the required units with the arrow keys.
- 2. Press the [Set] button for the second time to be able to chose the pressure units.
 - Choose the required units with the arrow keys
- 3. Press the [Set] button for the third time so you change be tween absolute and relative pressure.
- 4. Press the [Set] button four times, so you can set the barometic pressure in inHg.
- 5. Press the [Set] button five times to be able to change the measurement mode
- 6. Press the [Set] button six times to exit the [Set]-menu.

Backlight

testo 550 has the backlight function, so if you work in a dark environment than press the backlight button to turn the backlight on and press it once again to turn it off.



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Pressure zeroing

Please zero the pressure sensors before every use of testo 550.

- 1. loosen up the hoses
- 2. close the valves
- 3. press the [p=0] button

The sensors are now zeroed.



Superheating/Subcooling

The testo 550 is capable of displaying superheating and subcooling in real time.

- 1. Connect the probes to testo 550.
- 2. Connect testo 550 an the probes to the refrigerant plant or heat pump.
- 3. Switch testo 550 on
- 4. You will now see the calculated evaporation and condensation temperature.
- 4. Press the UP-arrow once to see the temperature difference.
- 4. Press the UP-arrow for twice to see the real time superheating and subcooling.
- 5. Press the UP-arrow for the third time to see the real time measured temperature.
- 6. Press the UP-arrow again to get to back to the calculated evaporation and condensation tompore

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to switch between the menues but the order will be inverse.

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Leak test

The temperature compensated leak test is used to indicate leaks in a refrigeration or heat pump system.

- 1. Plug in the Air-Probe
- 2. Zero the pressure sensors
- 3. Connect testo 550 to the system
- 4. Turn testo 550 on
- 5. Press the [Mode] button once
- 6. Now press the [R, Start/Stop] button to start the test
- 7. The test duration depends on the plant size.
- 8. Press [R, Start/Stop] again to stop the test.
- 9. Ther Results will be displayed
- 10. Press the [Mode] button twice to enter the normal measurement mode.

Vacuum Indication

Testo 550 is capable of vacuum indication. The measurement is performed on the low-pressure side.

- 1. Follow the steps 2-4 described in tightness test
- 2. Press the [Mode] button twice to get to the vacuum indication menu
- 3. Start the evacuation
- 4. Ther results are shown on the lowpressure side

Remember: testo 550 doesn't show the

real vacuum it is only indicates it

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Change the Batteries

Testo 550 uses 4x 1.5 V, AA batteries. To replace the batteries please follow these few steps below:

- 1. Fold out the hook
- 2. Grab the clip and squeeze it together
- 3. Remove the cap
- 4. Change the batteries. Observe the polarity.

Contact

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