



testo 550 · Digital Manifold

Quick Start Guide



Analyze refrigerant systems



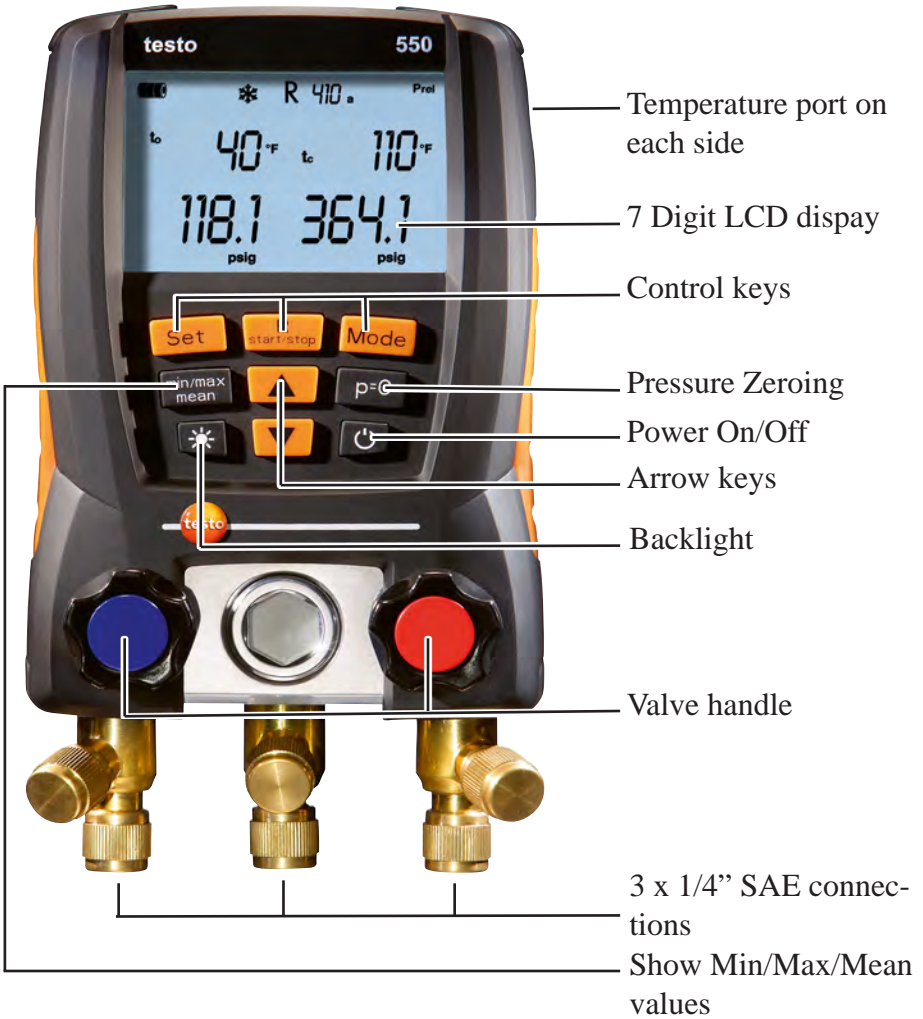
Analyze heat pumps



Conduct leak test



Product overview





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.



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 choose the pressure units.
 - Choose the required units with the arrow keys.
3. Press the [Set] button for the third time so you change between absolute and relative pressure.
4. Press the [Set] button four times, so you can set the barometric 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.



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 temperature.

You can also use the DOWN-arrow to switch between the menus but the order will be inverse.



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 low-pressure side

Remember: testo 550 doesn't show the real vacuum it is only indicates it.



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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