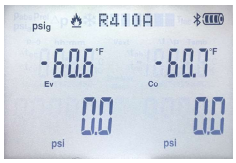
Pic. 16



Pic. 17

Min, Max and Mean

The testo 550 offers the ability to display Min, Max and Mean measurement values.

1. Simply press the Min/Max Mean button to cycle this setting.
2. Pressing this button once will display the Min setting.
3. Pressing the button twice will display the Max setting.
4. Pressing the button three times will display the Mean setting.
5. Pressing the button a fourth time will return the setting to the standard measurement display

Bluetooth Activation

The testo 550 now comes standard with Bluetooth.

1. First turn on the testo Refrigeration App on your smart device.
2. Once the app is running, turn on the testo 550.
3. Press and hold the UP and DOWN arrow simultaneously to activate Bluetooth.
4. The Bluetooth icon will flash to the left of the battery display icon and remain on once bluetooth is activated. (Pic. 16)
5. The app will now show your 550 as an available device. (Pic 17)
6. Select your instrument in the app to pair your device.

Warranty

The testo 550 has a two year warranty. If registered, the warranty is extended to 5 years.

Troubleshoot, evacuate, charge

AC, heat pump or auto mode

Conduct leak test

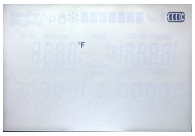
Be sure. testo

testo 550 Digital Manifold with Bluetooth/App

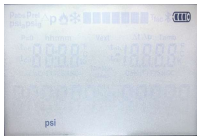
Pic. 1

Pic. 2

Pic. 3

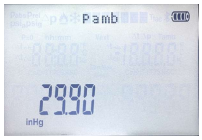


Pic. 4



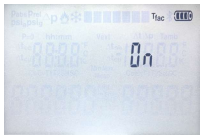
Pic. 5

Pic. 6



Pic. 7

Pic. 8



Pic. 9

Changing 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 (Pic. 1).
2. Grab the clip and squeeze it together and remove the cap (Pic. 2).
3. Insert/Change the batteries. Observe the polarity.

Power ON / OFF

1. Connect probes to the testo 550 prior to powering it up.
2. Press the power button [⏻] to turn the testo 550 on.
3. All display segments will light up for 2 seconds.
4. Measurement view is then displayed
5. Press and hold the power button to turn the testo 550 off.

Choose the refrigerant

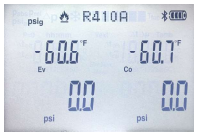
1. Press the [R, Start/Stop] button to bring up the refrigerant selection screen (Pic. 3).
2. Use the arrow keys to scroll through the refrigerant choices.
3. Press the [R, Start/Stop] button to set the desired refrigerant.

Set the Units / Altitude / Mode

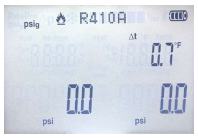
1. Press the [Set] button once to get to the temperature units menu (Pic. 4). Choose the required units with the arrow keys.
3. Press the [Set] button again to view the pressure units (Pic. 5). Choose the desired units with the arrow keys.
4. Press the [Set] button again to select absolute or relative pressure (Pic. 6)
5. Press[Set] again so that you can set the barometic pressure in inHg (Pic. 7) .
6. Press the [Set] button again to select the AC/R [❄], heat pump [🔥], or Auto [🔥❄].(Pic 8). Auto mode senses if the Low pressure side is 15 psi higher than the High pressure side, and will automatically reserve the display of the High / Low side pressures
7. Press the [Set] button again to set the Auto Off Feature. Setting this On will allow the 550 to power down automatically when not in use.
8. Press [Set] a final time to turn the Tfac on or off using the arrow keys. (Pic. 9)
9. Press the [Esc] button to exit the settings menu.

Backlight

Testo 550 has a backlight to improve viewing in dark or daylight conditions. Press the backlight button to turn the backlight on. Press it once again to turn the backlight off.



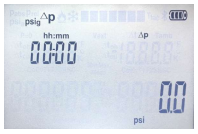
Pic. 10



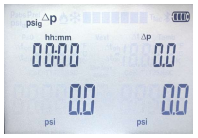
Pic. 11

Pic. 12

Pic. 13



Pic. 14



Pic. 15

Note: rP could be different from the starting and final test pressure rP as the true rp is calculated from the gas laws.

Pressure zeroing

The pressure sensors should be zeroed before each use.

1. Loosen the hose connections
2. Open the valve knobs to confirm that there is no pressure in the manifold
3. Press the [p=0] button and the sensors will display zero pressure.

Superheat and Sub-cooling

The testo 550 calculates superheat and sub-cooling in real time.

1. Connect the temperature probes and hoses to the 550.
2. Turn on the instrument.
2. Connect the testo 550 and the pipe clamp probes to the air conditioning, refrigeration or heat pump system.
3. You will now see the calculated evaporation and condensation temperature (Ev and Co) and system pressures at the top of the display. (Pic. 10)
4. Press the UP-arrow once to see the temperature difference (Pic. 11)
5. Press the UP-arrow twice to see the real time superheat and sub-cool (SH and SC) (Pic. 12).
6. Press the UP-arrow for the third time to see the real time measured temperature (T1 and T2) (Pic. 13).
7. Press the UP-arrow again to get 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 reversed.

Leak Test

The temperature compensated leak test is used to indicate leaks in an AC/R or heat pump system.

1. Plug in the temperature probe into the high side of the instrument.
2. Press the set button 6 times to reach the Tfac setting. Press the UP arrow to cycle this setting to OFF. Press SET to select this setting
3. Zero the pressure sensors.
4. Connect the testo 550 to the system.
5. Press the [Mode] button once to get to the leak test mode (Pic. 14).
6. Now press the [R, Start/Stop] button to start the test. (Pic. 15).
7. The test duration depends on the system size.
8. Press [R, Start/Stop] again to stop the test.
9. The results will be displayed.
10. Press the [Mode] button twice to return to the normal measurement mode. Please make sure to repeat step 2 to turn the Tfac back to ON before starting normal testing again.