



Pic. 14



Pic. 15



Pic. 16



Pic. 17



Pic. 18

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 557 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.

Vacuum / Evacuation

1. Insert the external vacuum probe into the top socket. (Pic. 16).
2. Turn on the testo 557
3. Press the [Mode] button twice to get to the vacuum /evacuation mode (Pic. 17).
4. Attach the external vacuum probe to the system.
5. Start the evacuation.

Bluetooth Activation

The testo 557 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 557.
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.
5. The app will now show your 557 as an available device. (Pic 18)
6. Select your instrument in the app to pair your 557.

Warranty

The testo 557 has a two year warranty. If registered, the warranty is extended to 5 years.

testo 557 Digital Manifold with Bluetooth/App Quick Start Guide





Pic. 1



Pic. 2

Changing the batteries

Testo 557 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 to remove the cap (Pic. 2).
3. Insert/Change the batteries. Observe the polarity.

Power ON / OFF

1. Connect the pipe clamp probes to the testo 557 prior to powering it up.
2. Press the power button [⏻] to turn the testo 557 on.
3. All display segments will light up (2 s.)
4. The measurement view will then be displayed.
5. Press the power button to turn the testo 557 off.

Select the refrigerant

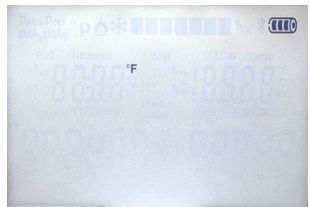
1. Press the [R, Start/Stop] button so you can choose the required refrigerant (Pic. 3).
2. Use the arrow keys [pq] to scroll through the choices.
3. Press the [R, Start/Stop] button to set the chosen refrigerant.

Set the Units / Mode

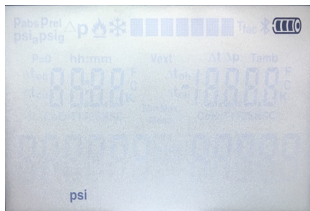
1. Press the [Set] button once to get to temperature units menu (Pic. 2).
2. Choose the required units with the arrow keys.
3. Press the [Set] button for the second time to be able to choose the pressure units (Pic. 5).
4. Choose the desired units with the arrow keys.
5. Press the [Set] button for the third time so you can select absolute or relative pressure (Pic. 6).
6. Press the [Set] button four times, so you can set the vacuum unit (Pic. 7).



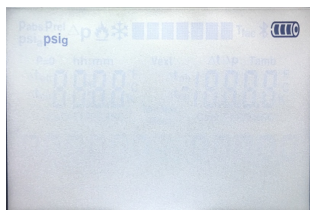
Pic. 3



Pic. 4



Pic. 5

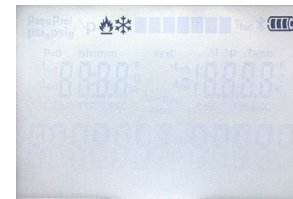


Pic. 6



Pic. 7

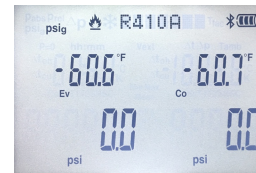
Pic. 8



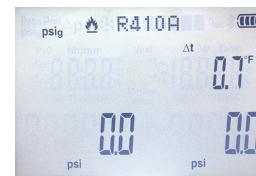
8. Press the [Set] button five times to select the AC/R [❄️], heat pump [🔥], or Auto [❄️🔥] (pic 8). Auto mode senses if the low pressure side is 15 psi higher than the high pressure side, and will automatically reverse the display of the high / low side pressures.

Backlight

Testo 557 has a backlight to improve viewing. Press the backlight [*] button to turn the backlight on. Press it once again to turn the backlight off.



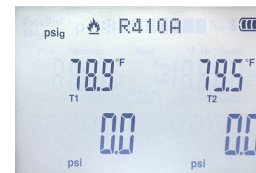
Pic. 9



Pic. 10



Pic. 11



Pic. 12



Pic. 13

Pressure zeroing

Please zero the pressure sensors every time before you use the testo 557.

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

The sensors are now zeroed and ready for measurement.

Superheat / Subcooling

The testo 557 calculates superheat and subcooling in real time.

1. Connect the temperature probes to the testo 557.
2. Switch on the testo 557.
3. Connect the testo 557 and the pipe clamp probes to the air conditioning, refrigeration or heat pump system
4. You will now see the calculated evaporation and condensation temperature (Ev and Co) as well as the system pressures at the bottom of the display (Pic. 9).
5. Press the UP-arrow once to see the temperature difference (Pic. 10)
6. Press the UP-arrow again to see the real time superheating and sub-cooling (SH and SC) (Pic. 11).
7. Press the UP-arrow again to see the real time measured line temperature (T1 and T2) (Pic. 12).
8. Press the UP-arrow a final time to get to back to the calculated evaporation and condensation temperature. You can also use the DOWN-arrow to switch between the displays but the order will be reversed.