

BP+Vitals



 SunTech[®] CT40[™]
BP + VITALS

Quick Reference Cards

Buttons and Knob Functions



Memory Button

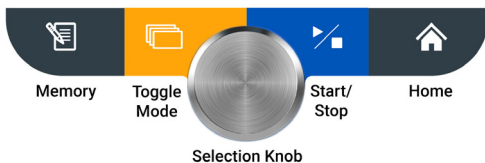
- Short Press: Save measurement(s).
- Long Press (Hold 4 seconds): Access saved readings
(See pages 7-10 for more information.)



Toggle Mode Button

- Short Press: Locate and choose between Automatic BP Mode, Averaging Mode and Auscultatory Sphyg (Manual) Mode.
- Long Press (Hold 4 seconds): Switch between pediatric or adult mode.
(See pages 4-6 for more information.)

Buttons and Knob Functions (continued)



Start/Stop Button

- Press this button to start or stop a BP measurement.



Home Button

- Press this button to return to the main display.

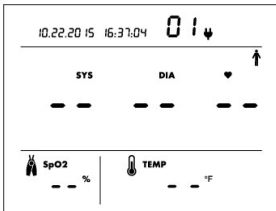



Selection Knob

This round knob rotates clockwise and counterclockwise and can be pressed to select different options on the device. This can also be used to change parameters and to make selections such as adult or pediatric mode.

Single Measurement BP

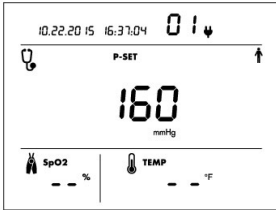
Make sure the screen is set as shown here.




- Ensure values are cleared from display as shown above.
- Press Start/Stop Button .
- Inflate/deflate cycle begins automatically and continues until results are displayed.
- A long beep will sound to indicate measurement is complete.
- Press the Start/Stop Button to stop a BP measurement in progress if necessary.

Auscultatory SphygMode

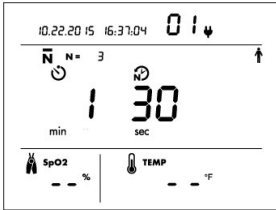
Make sure the screen is set as shown here.





- Select max pressure. Rotate the Selection Knob and press.
- Place stethoscope over artery.
- Press Start/Stop  Button to inflate cuff automatically.
- Similar to an analog sphyg gauge, the display shows current cuff pressure. When cuff reaches max pressure, deflation will begin automatically.
- Listen for K-sounds while watching displayed pressure. Note SYS and DIA.

Averaging Mode

Make sure the screen is set as shown here.






When selecting this mode, the averaging indicator **N =** will flash to let you decide how many readings they would like averaged.

- Select number of readings by rotating the Selection Knob.
- Push the Selection Knob to set the number of readings.
- When the minute flashes: 
 - Select the number of minutes prior to the initial reading by using the Selection Knob.
- Select the time between measurements by rotating the Selection Knob 
- Press the knob 1 time once the desired selection has been displayed.
- The timer will then count down the seconds until the first reading begins.
- After all measurements are taken and averaged, the results will be displayed.
- A long beep will sound to indicate averaging is complete.

Saving Readings Without EMR Connectivity



The SunTech CT40 does not have to be connected to an EMR system to save measurements. You can easily save them to the device's own memory.

- With the patient's current measurements displayed on the screen, press the Memory Button  for less than 4 seconds.
- The Check icon  and the Memory icon  will flash on and off 2 times.
- If the display turns to a blank screen/show, null values, and the Check Mark icon flashes 2 more times, this verifies the measurements are successfully stored to the device's memory.


Note: The CT40 does not autosave. You must save the measurement to the memory after each reading.

Saving Readings With EMR Connectivity

Technicians may have already connected the SunTech CT40 to your facility's EMR system. If so, you can easily send measurements directly to the EMR.

- With the patient's current measurements displayed on the screen, press the Memory Button . The EMR icon and Check Mark Icon **EMR** ✓ will begin flashing.
- Press the Selection Knob to send the data to the EMR.
- If the measurements are delivered to the EMR successfully, you will see the EMR Message icon  and the Check Mark icon ✓ flash 4 times.

To store the displayed measurements in the device memory without sending to the EMR:

- Press the Memory Button .
- While the EMR and Check icons are flashing, turn the Selection Knob until the X Icon ✕ is displayed.
- Press the Selection Knob.
- The measurements will be saved to the device's memory only.

Note: *The CT40 does not autosave. You must save the measurement to the memory after each reading.*


Adult Mode to Pediatric Mode



Adult BP Mode icon




Pediatric BP Mode icon

- Hold the Toggle Mode button  down for 4 seconds until the adult or pediatric icons start blinking.
- Turn the Selection Knob in either direction to select the desired icon.
- Once you have selected the intended mode, press the Selection Knob to finalize this selection.




Note: Adult and Pediatric mode can be used in conjunction with any type of measurement mode.

Accessing Saved Measurements






- Press and hold the Memory Button  on the front of the device for 4 seconds, then press the Selection Knob. Readings number and selection knob ring will flash. You will then be able to use the Selection Knob to scroll through prior readings.
- Press the Memory Button or the Home Button to exit Memory Mode.

Deleting Saved Measurements

To **clear a single measurement** from memory:


- Press the Selection Knob while in Memory Mode.
- The Memory Delete icon  and the Check icon  will flash, along with the Memory Identifier number.
- Ensure you are viewing the measurement you wish to delete.
- Press the Selection Knob to delete that measurement. Rotate the knob clockwise until the X icon  flashes and then press to cancel the deletion.

To **clear all** measurement values from memory:

- Press and hold the Memory Button  for less than 3 seconds. Continue holding the memory button while simultaneously pressing the selection knob.
- The Memory Delete icon  and Check icon  will flash in sync with the Memory icon  and the Selection Knob. All other values on the screen will be blank.
- Press the Selection Knob again to delete all measurements. Rotate the knob clockwise until the X icon  flashes and press the Selection Knob to cancel the deletion.

Common Status Codes for Blood Pressure

If the SunTech CT40 has a problem taking a measurement, you may see a code on the display screen.

The  will flash when the blood pressure measurement is shown, while displaying the code.

Common corrective actions are suggested below:

Cuff/Patient Check:


- Check that the cuff is in the correct position.
- Check that the cuff is properly tightened.
- Check that there is no excessive clothing or pressure between the arm and the cuff.
- Check that the cuff being used is the correct size.
- Ensure that the patient is not moving excessively.
- Once you have completed these checks, try taking another BP reading.

Equipment Check:

- Ensure that the hose has no sharp bends or is pinched.

Common Status Codes for Temperature

If the SunTech CT40 has a problem taking a measurement, you may see a code on the display screen.

The  will flash when the temperature measurement is shown, while displaying the code.

Common corrective actions are suggested below:

Touchless IR:

- Make sure that the patient has been at rest for a few minutes.
- If the patient has been in a cold environment, make sure that he/she has acclimated to the indoor temperature.
- If this does not work, power off and repower on the CT40. Retry reading.
- If this does not work, replace the Temp option, or call SMI Customer Service.

FILAC:

- FILAC: Make sure that the patient has not had any warm beverages recently (oral).
- Remove and then replace the probe in the well. Retry reading.
- If does not work, power off and repower on the CT40.

Common Status Codes for SpO₂

If the SunTech CT40 has a problem taking a measurement, you may see a code on the display screen.

The  will flash when the SpO₂ measurement is shown, while displaying the code.

- Remove the sensor from the patient, and ensure proper sensor positioning.
- Place on opposite hand or alternate site.
- Avoid fingers with nail polish or artificial nails.
- Attempt a new measurement ensuring proper protocol in section 7 of the SunTech CT40 User Manual.
- If does not work, power off and repower on the CT40.
Retry reading

Printing Results with Optional Thermal Printer

To print the information currently displayed on the CT40 screen, press the print button  on the optional thermal printer

Please ensure that the green LED is lit and unblinking (see below) before printing.



Reset

Print



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