



Verifying Calibration for SunTech Vet20 BP Monitor



ABPM



BP+Vitals



BP Cuffs



OEM NIBP



Stress BP



Vet BP

Calibration Basics

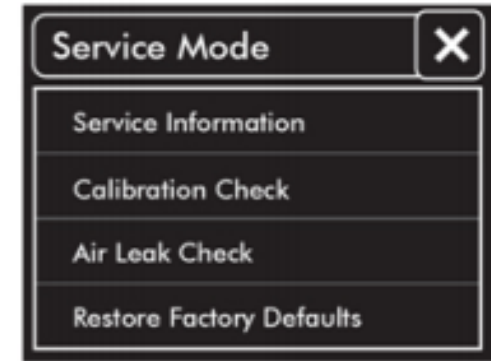
- SunTech recommends checking the BP calibration every two years.
- Units found to be out of calibration must be returned to SunTech for re-calibration.

Equipment Needed

- Calibrated pressure reference
 - Analog Sphygmomanometer
- Pressure vessel
 - 500mL bottle or #6 or #7 cuff wrapped tightly around a solid object
- Hand inflation bulb with bleed valve
- T-Tube with connectors

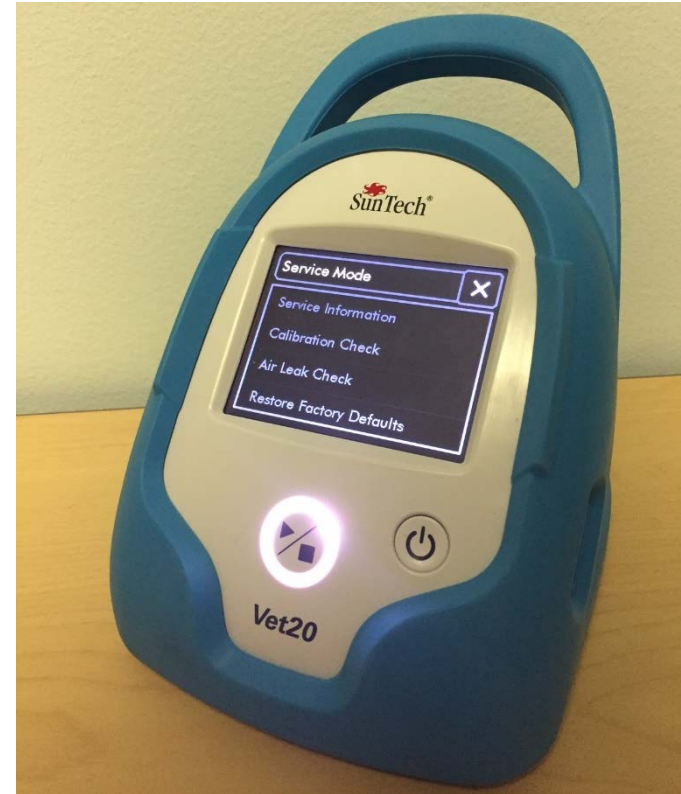
Step 1: Service Mode

1. Start with the device powered off.
2. Hold down the power button for approximately 6 seconds when turning the monitor on.
3. The Start/Stop button LED is white to indicate that the system is in service mode.



Step 1: Service Mode

Photo of Vet20 in service mode.



Step 2: System Setup

1. Touch “Calibration Check”.
2. Connect calibrated pressure reference, pressure vessel, and hand inflation bulb to the end of the monitor hose using T-tube and connectors.
3. Touch “Start”.



NOTE: Pressure vessel is optional and will not affect the accuracy of pressure readings, but it will make control of pressure settings easier if a pressure vessel is used.

NOTE: To easily make a pressure vessel, wrap a #6 or #7 SunTech BP cuff around a solid object (such as a cylindrical container or pipe section) that will limit cuff volume by exerting pressure as the cuff inflates.

Step 2: System Setup



T-Tubing

Cuff with
Pressure Vessel

Reference Sphyg

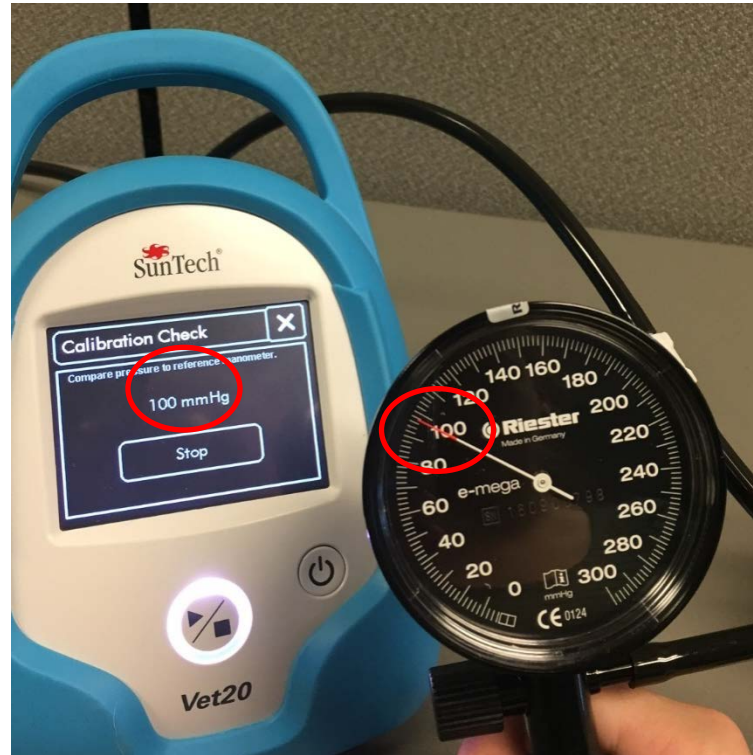
Bulb w/bleed valve

Step 3: Compare Pressure Readings

1. Using the calibrated pressure device and bulb, check the readings on the SunTech Vet20 BP device against the value on the manometer according to the values shown in the table below.

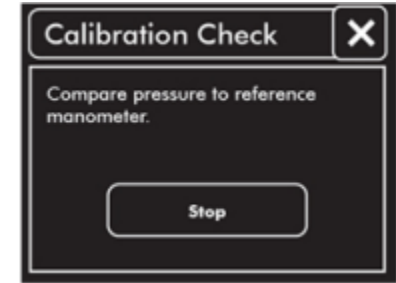
Check Values (mmHg)
250
200
150
100
50
0

Step 3: Compare Pressure Readings



Step 3: Compare Pressure Readings

2. Verify that the monitor pressure is equal to the manometer pressure (*3 mmHg or 2% of the target value). If the pressure is within limits, then touch the “Stop” button and the calibration check is complete.
3. If not, the Vet20 BP monitor should be sent to SunTech for calibration.



Customer Technical Support Representatives can be reached, in the Americas, **+1.800.421.8626** (US Toll Free) or **919.654.2300** from **8am to 5pm EST, Mon-Fri**. In Europe, call **+44 (0) 1865.884.234** from **9:00hrs to 17:00hrs GMT/UTC, Mon-Fri**.

Customer Support can also be reached by email at: CustomerService@SunTechMed.com.

Repair & troubleshooting help can also be requested 24 hours a day via our web site, at: <http://www.suntechmed.com/support/request-repair-and-troubleshooting-help>



SunTech Medical®

The Difference in Clinical Grade™

SunTech Medical, Inc.
Service Department
507 Airport Boulevard, Suite 117
Morrisville, NC 27560 USA

Tel: 800.421.8626
919.654.2300
Fax: 919.654.2301

SunTech Medical, Ltd.
Service Department
Oakfield Industrial Estate
Eynsham, Oxfordshire OX29 4TS UK

Tel: 44 (0) 1865.884.234
Fax: 44 (0) 1865.884.235



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