

1 Unpacking the Cycle™ and setting it up with your stress system.

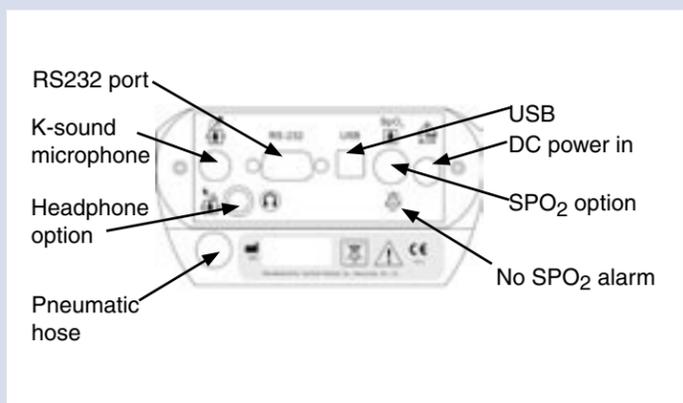
Your monitor comes with a power supply, a patient cable, and an *Orbit-K* cuff with microphone. Connect the power supply and patient cables to the bottom of the monitor. Power the monitor by connecting an appropriate cable from the power supply to an available outlet.

The first time you plug in *Cycle*, the monitor turns on. If *Cycle* is attached to a stress system, the *Cycle* turns on and off along with the system. However, you can turn it on yourself by pressing any button. For more information on monitor or measurement setup refer to the users manual.

Setting up Cycle with your stress system

For instructions on interfacing with your specific stress system, visit:
www.SunTechMed.com/interfacenotes.htm

To test the setup, you will need to hookup a patient and take a measurement.

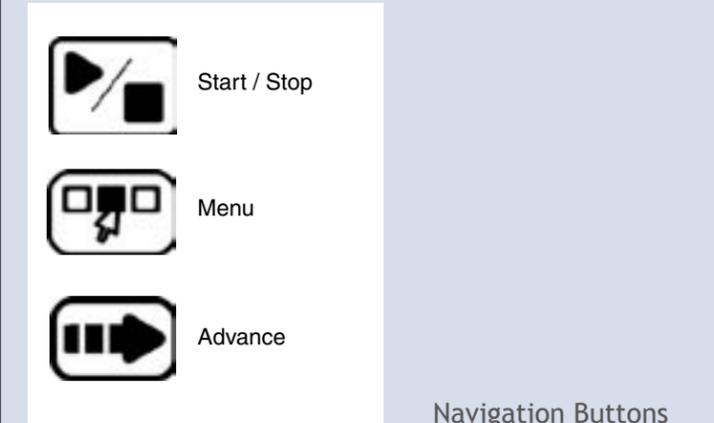
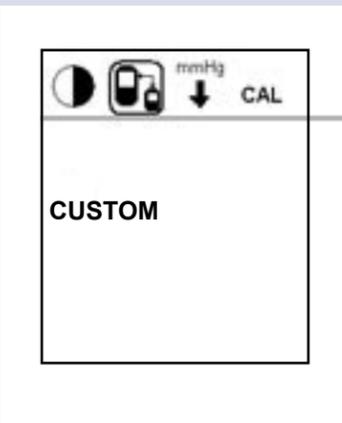


2 Configuring the Cycle™ for your stress system.

System Menu - From the Measurement view, press the **Menu** and **Advance** buttons simultaneously for 3 seconds until the Contrast screen appears. Press **Menu** to proceed to the Communication screen.

Communications screen - Press the **Advance** button until you see your stress ECG system. To save your selection, press the **Start/Stop** button. You are now ready to take a BP.

Note: The Cycle monitor comes preset to optimized settings for contrast, deflate rate, measurement interval and max cuff pressure. To change the settings, refer to the *Cycle* users manual.



3 Placing the cuff on the patient.

Fit your patient with an appropriately sized cuff. Slide the sleeve of the cuff up the patient's arm and position the ARTERY marker label over the medial side of the arm, BETWEEN the BICEPS and TRICEPS. The sleeve and cuff should be approximately 2 cm above the elbow crease, or antecubital fossa. Wrap the cuff securely around the arm.

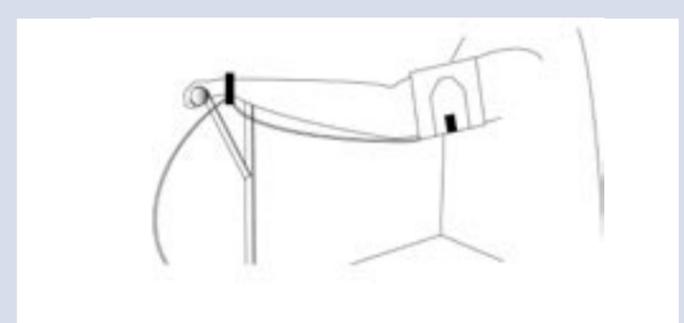
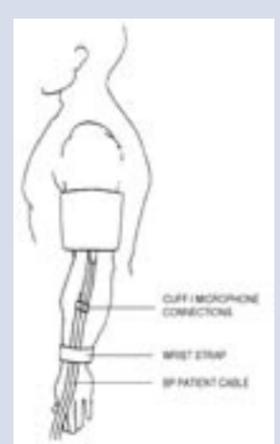
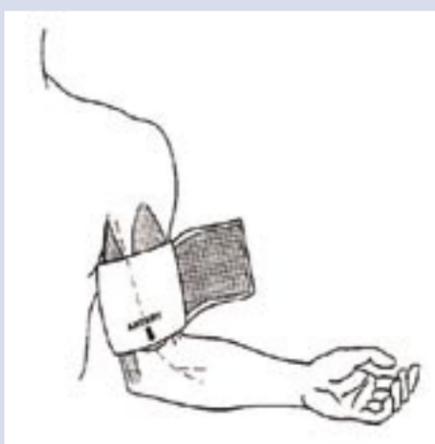
4 Connecting the cuff.

Attach the cuff and microphone to the patient cable. Use the wrist strap to secure the cables to the patient.

5 Conducting a stress test.

Take one or two measurements with the patient seated, supine, or standing still. Once you have taken a reliable measurement, you may proceed with the stress test.

During the test, advise and support your patient for more accurate BP measurements. When you begin a measurement, instruct the patient to straighten and relax the instrumented arm for the duration of the measurement. Pay close attention to the monitor, if the display shows a status message, refer to the "Advice and Troubleshooting" section of the users manual. At the end of the test, select End Test on the Menu Mode - End Test screen to prepare *Cycle* for a new test.



This is *acceptable* arm movement during a blood pressure reading.



This is *unacceptable* arm movement during a blood pressure reading.

Optional Accessories

Using the Headphone Option

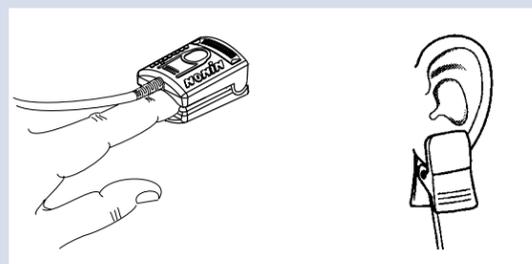
Use the headphone option to listen to the sounds that are picked up by the microphone in the cuff. These sounds are similar to those heard when taking a manual BP. Simply plug in the headphones to the phono jack on the *Cycle*. Use the cuff pressure displayed on the Measurement screen to approximate pressure.

Using the Pulse Oximetry, SpO₂ Option

Use the pulse oximetry option to measure the oxygen saturation of arterial blood. Simply plug in the sensor/module cable to the SpO₂ receptacle on the bottom panel of the *Cycle*, attach the sensor to your patient and secure the sensor cable at the base of the finger. After a few seconds, a measurement appears on the main measurement screen. The SpO₂ value is updated once per second. For a list of available sensors please see the "Accessories and Consumables" section of the users manual. You can replace the sensor by unplugging it from the module and plugging in the new sensor.

Preparing the patient for Pulse Oximetry

Proper sensor placement is critical for good performance. If the sensor is not positioned properly, light may bypass the tissue and result in pulse oximetry inaccuracies.



Finger clip sensor

Ear clip sensor

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Cycle™

Stress BP

Getting Started

At a Glance



Start / Stop: Initiates a measurement or terminates one in progress.

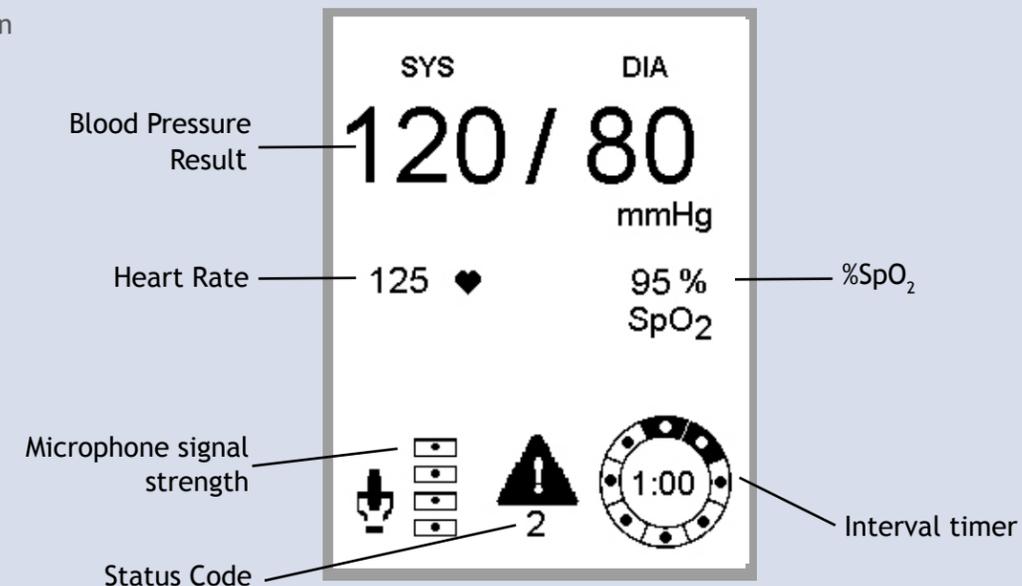


Menu: Displays menu options



Advance: Helps you navigate through the screens. In measurement view, pressing this button moves through the last reading and three memory readings. In Menu mode and the system menu, pressing the Advance button allows you to move through the parameters of the configuration screens.

Sample Screen



The screen displays the following elements while you take a measurement:

Blood Pressure Result

After a measurement, displays the latest BP.

Cuff Pressure

During a measurement, displays the pressure in the cuff.

Microphone Signal Strength:

Displays the strength of the microphone signal. During a measurement, the rhythmic display of signal corresponds to Korotkoff sounds.

%SpO₂

Displays current percentage of oxygen saturation in arterial blood.

Heart Rate

After a measurement, displays beats per minute.

Status Code

Indicates a possible problem in taking the measurement. For a list of codes and their meanings refer to "Advice and Troubleshooting" in the users manual.

Interval Timer

When the interval is set to MAN (manual) on the Interval menu, displays how old the BP measurement is. At 5 minutes, measurement data is stored as history and the display clears. When the interval is set to a time, counts up to the setting and a new measurement is started.