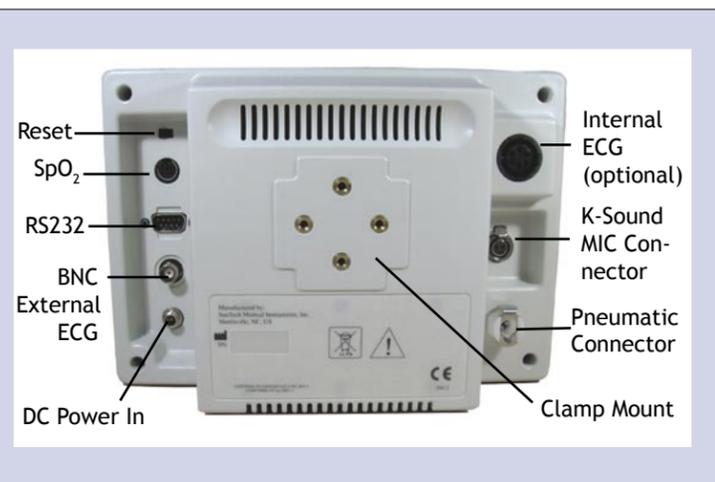


# 1 Unpacking the *Tango+* and setting it up with your stress system.

Your monitor will come with a power supply, a patient cable, and an *Orbit-K* cuff with microphone. Connect the power supply and patient cables to the rear 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 *Tango+*, the monitor turns on. If the *Tango+* is attached to a stress system, the *Tango+* turns on and off along with the system. However, you can turn it on yourself by pressing any key. For more information on monitor or measurement setup refer to the users manual.



## Setting up *Tango+* with your stress system

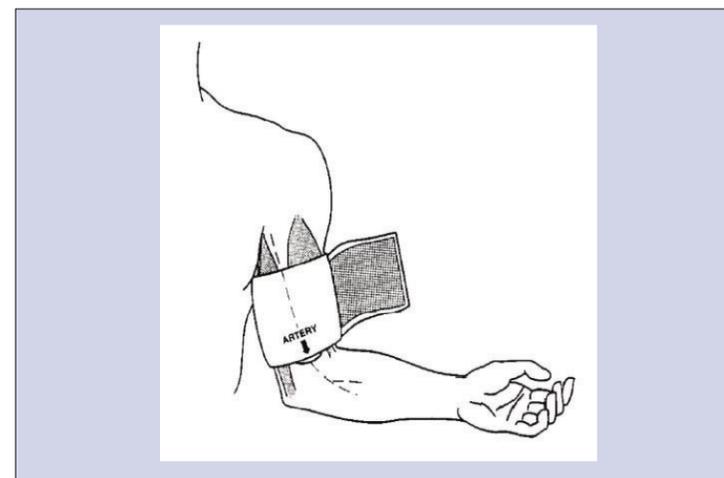
For instructions on interfacing with your specific stress system, visit: [www.SunTechMed.com/interfacenotes.htm](http://www.SunTechMed.com/interfacenotes.htm)

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

NOTE: It is NOT possible to use a heart rate or oscillometric blood pressure simulator as the *Tango+* requires that the ECG signal and Korotkoff sounds, collected by the microphone in the cuff, originate from the same source, i.e. the patient.

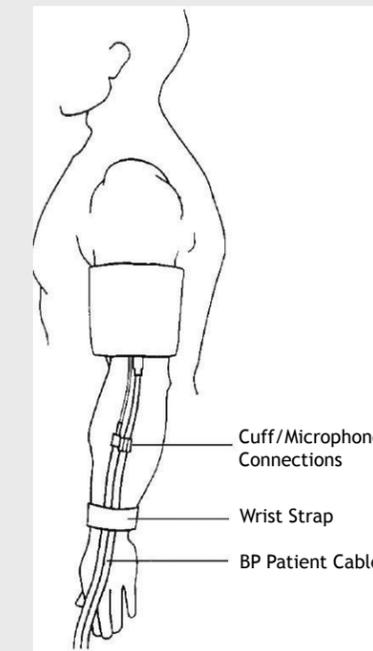
# 2 Placing the cuff on the patient.

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.



# 3 Connecting the cuff.

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

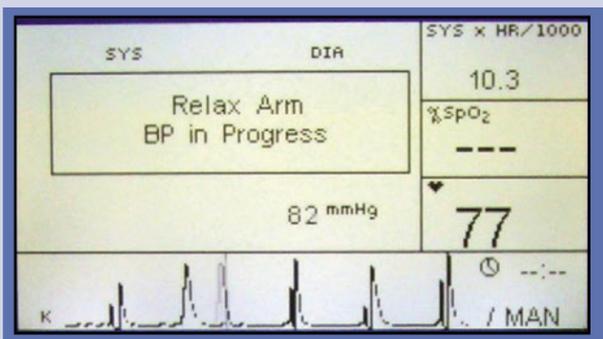


# 4 Taking a measurement.

Ensure that a heart rate is displayed on the *Tango+* measurement screen. If the heart rate is not displayed or if the measurement is not stable, check the reference card attached to the *Tango+* and follow the tips under the CHECK ECG error.

Ask the patient to remain still and press the Start/Stop key to take a measurement. During the cuff deflation, look at the waveform display at the bottom of the *Tango+* screen and ensure that there is a rhythmic signal which corresponds to the Korotkoff sounds, or K-sounds, that you would hear if you were taking a manual BP measurement with a stethoscope. (see Fig.1)

Fig. 1 Sample screen of a measurement in progress

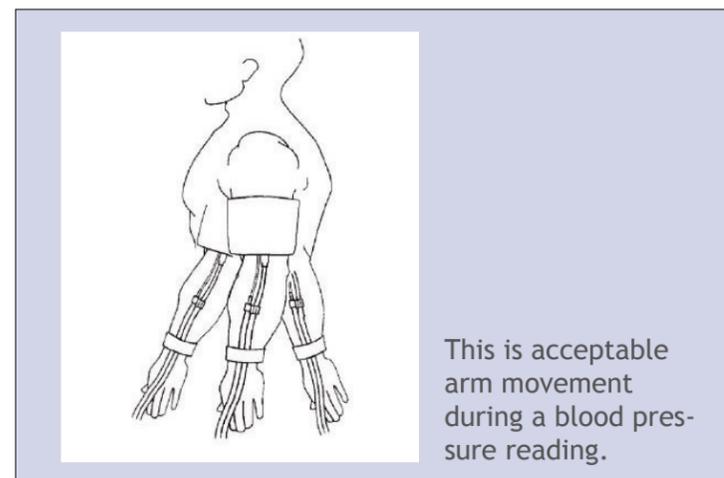


# 5 Conducting a stress test.

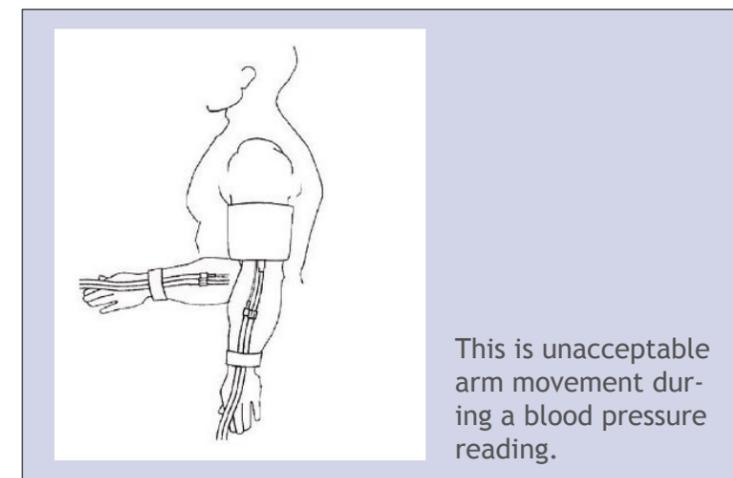
Take one or two measurements with the patient seated, supine, or standing still. Once you have taken a reliable measurement (see Fig. 2), you may proceed with the stress test.

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, and if the display shows an error message, follow the instructions. At the end of the test, the *Tango+* will prepare itself for a new test.

Fig. 2 Sample screen of a completed BP measurement

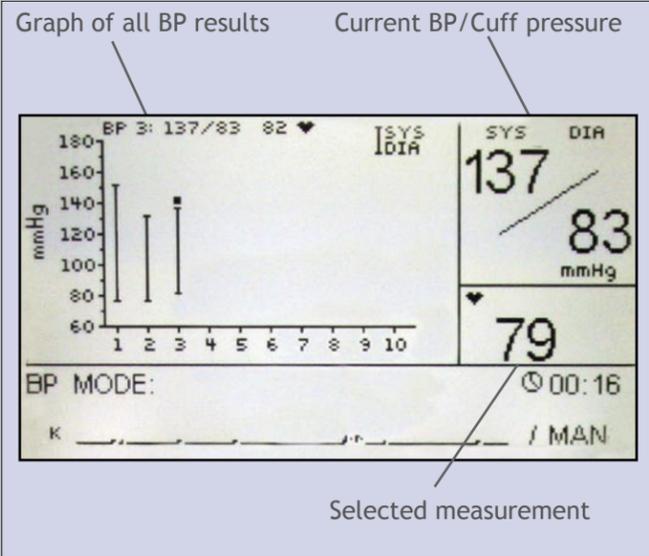


This is acceptable arm movement during a blood pressure reading.



This is unacceptable arm movement during a blood pressure reading.

## Front Display - Graph View



The Graph View displays the same information in the bottom section as the Main Measurement view. The top of the Graph View shows the following elements while you take a measurement:

### Graph of all BP Results

Displays all blood pressure results in a study (up to 30 measurements).

### Current BP/Cuff Pressure

Displays current blood pressure at the end of a measurement. Displays current pressure in the cuff during measurement.

### Selected Measurement

Displays one of the following measurements (selected in the View menu): HR, SpO<sub>2</sub>, or Double Product.

### Stat Mode

Press the STAT key to begin Stat mode. The monitor takes blood pressure measurements at a short interval of 2-10 seconds for up to 15 minutes or until the user presses the STAT or the START/STOP keys. The measurement displayed on the screen will flash to indicate that the monitor is in Stat mode. When the Stat mode is ended, the monitor will return to its previous mode.

**SunTech Medical**  
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# Tango+

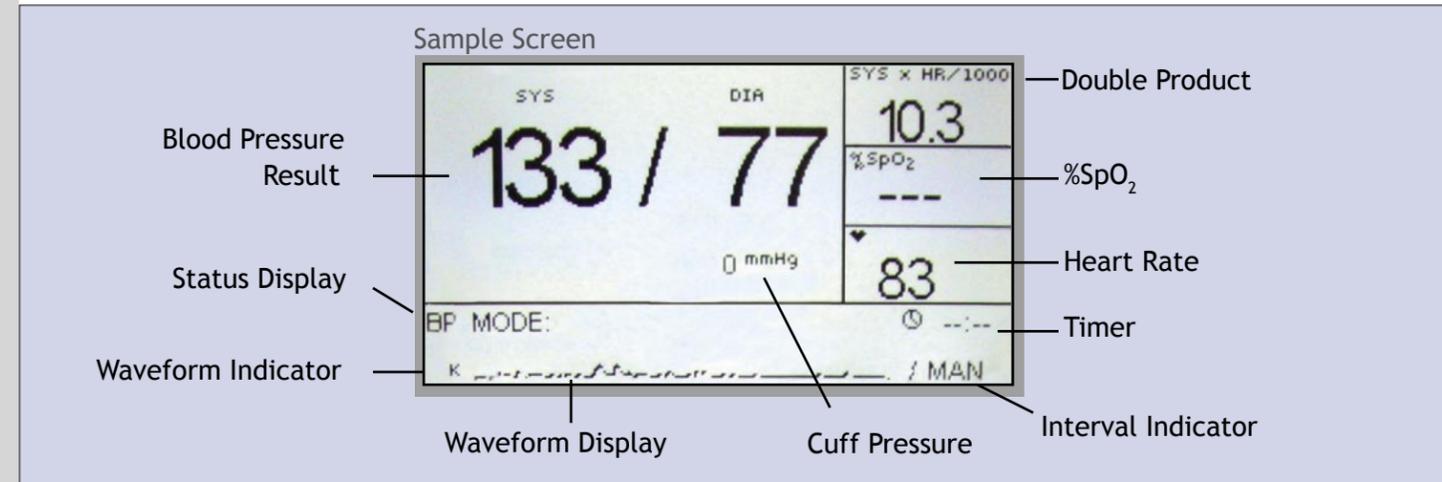
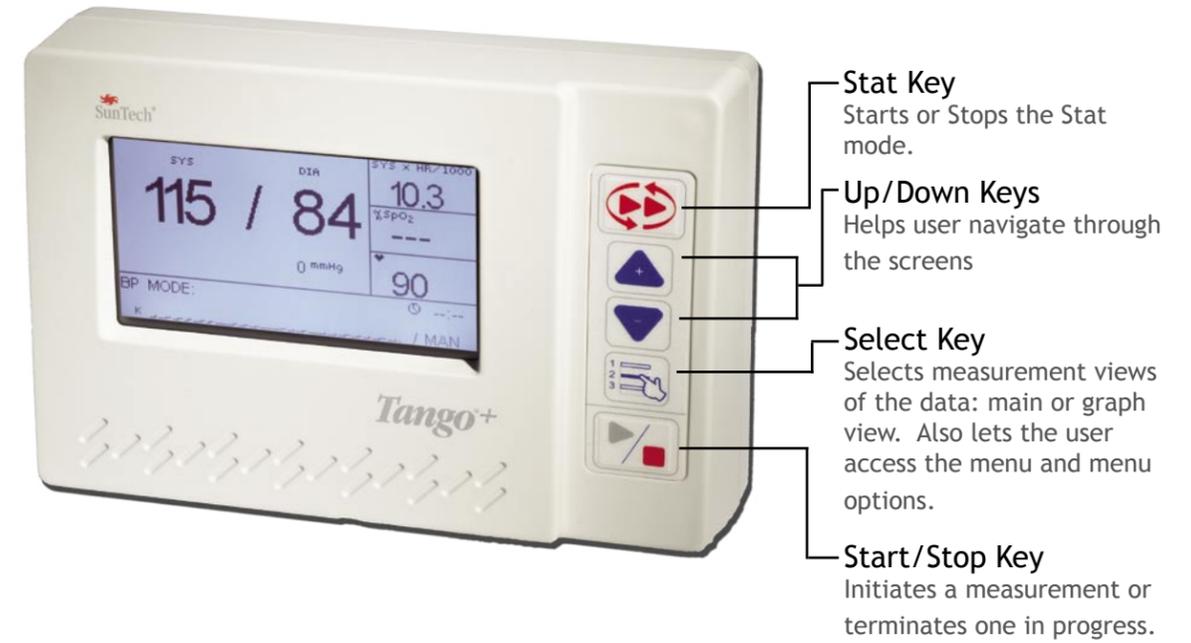
**STRESS BP**

Getting Started

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Part # 82-0039-00 Rev. C

## At a Glance



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

### Blood Pressure Result

Displays latest or most current blood pressure.

### Double Product

Displays in mmHg x beats per minute. (SYS x HR/1000)

### % SpO<sub>2</sub>

Displays current percentage of arterial saturation oxygen in blood.

### Heart Rate

Displays in beats per minute.

### Waveform Indicator

Displays K for K-sound or E for ECG.

### Status Display

Displays current monitor status.

### Waveform Display

Displays either the K-sound or the ECG signal.

### Timer

When Interval Indicator is set to MAN, displays how old the BP measurement is. When set to TIME, displays seconds until next reading.

### Interval Indicator

Displays the present time interval between measurements.

### Cuff Pressure

Displays current pressure in the cuff.