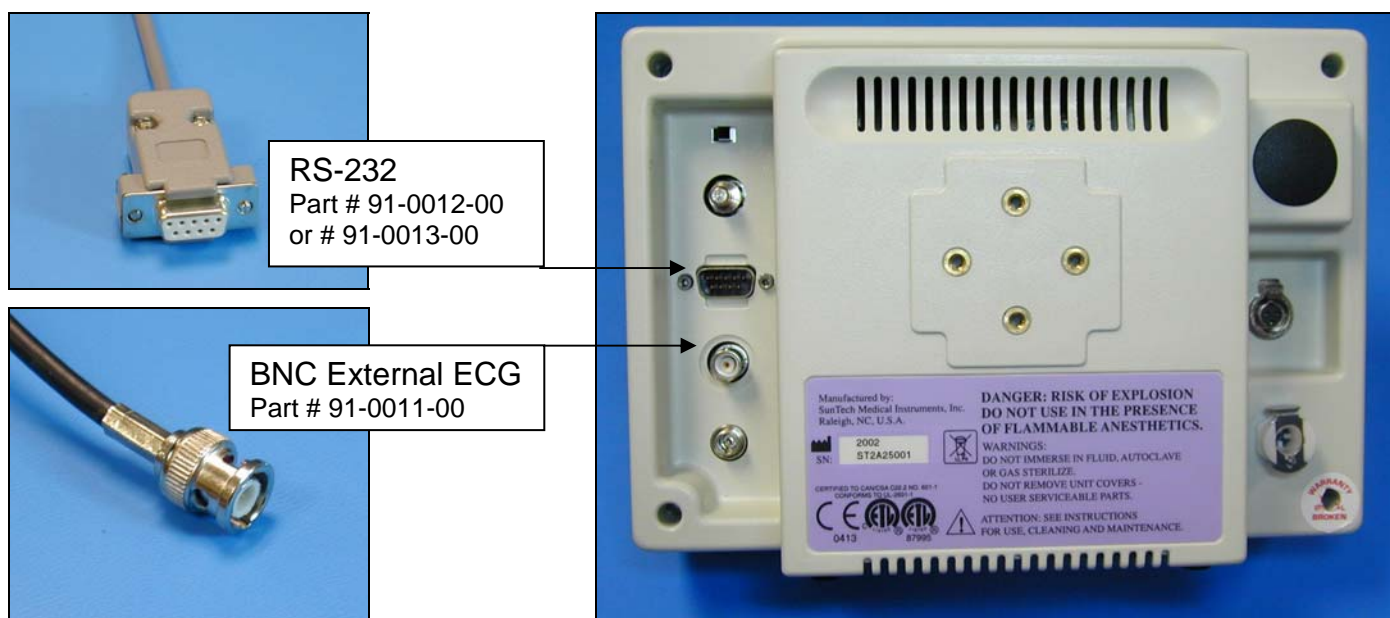


# Marquette Case 12, Case 15, Case 16 and Centra stress systems Tango Interface Notes

You can setup the Tango with your stress system using the following directions. You will need the ECG trigger and RS-232 cables specified below.

- The ECG trigger cable is required for the Tango monitor to be able to take a BP measurement.
- You will need the RS-232 cable to establish communication between the Tango and your stress system. This cable allows your stress system to prompt the Tango when it needs a BP measurement. In addition, it allows the BP measurements taken by the Tango to be transferred to your stress system display and reports.



1. Plugging in the ECG trigger cable  
Connect: the ECG trigger cable, SunTech part #91-0011-00 (BNC to BNC)  
From: the BNC External ECG connection on the rear panel of the Tango  
To: the Pulse 1 connection on the back of the stress system  
Note: if Pulse 2 is open, follow the instructions in step 4 replacing Pulse 1 with Pulse 2. Alternatively, you may use a BNC splitter.
2. a. Plugging in the RS-232 cable for Case 12, Case 15, and older Centra systems  
Connect: the RS-232 cable, SunTech part #91-0012-00 (25 pin male to 9 pin female)  
From: the RS-232 connection on the rear panel of the Tango (9 pin female)  
To: the AX-2 RS 232 port on the back of the stress system (25 pin female)

- b. Plugging in the RS-232 cable for Case 16 and newer Centra systems  
 Connect: the RS-232 cable, SunTech part #91-0013-00 (9 pin female to 9 pin female)  
 From: the RS-232 connection on the rear panel of the Tango  
 To: the AUX/RS-232 port on the back of the stress system
3. Setting up the Tango monitor
    - a. Turn on the Tango using the switch at the rear top left corner of the Tango.
    - b. Once the operating screen is displayed, press the *MENU/SELECT* button. Use the UP or DOWN buttons to select **Utilities** and press the menu button.
    - c. Use the arrow buttons to select **Device** and press the *MENU/SELECT* button to edit. Choose **MARQUETTE** using the arrow buttons and press the select button to confirm the choice.
    - d. Select **ECG trigger** and press the select button to edit. Choose **DIGITAL↑** and press the select button to confirm the choice.
    - e. Select **Exit** twice to return to the operating screen.
  4. Setting up the stress system
    - a. Turn on the Centra, and the main menu is displayed.
    - b. Using the trim knob, choose **EXERCISE**.
    - c. At the Exercise screen, choose **EXERCISE TEST**.
    - d. At the Pre Test screen, select **MORE**.
    - e. Select **LOAD**.
    - f. Select **TASK**, and this will display the TASK FILES screen.
    - g. Select **DESIGN**, wait a few seconds, and the DESIGN MENU will be displayed.
    - h. Select **DESIGN SET-UP PARAMETERS**, and the SET UP SCREEN will be displayed.
    - i. Select **LOAD**.
    - j. Select **TREADMILL 60 HZ**.
    - k. Select **EDIT**, turn the trim knob to **CONTINUE**, and press the knob.
    - l. Turn the trim knob to **CONTINUE** and press the knob again. Repeat this three more times and you will be at the OUTPUTS screen.
    - m. Turn the trim knob to **PULSE 1** and set to **QRS**; set the **WIDTH** to **50 msec**; set **BD DEV** to **MEI 1950**.
    - n. Turn the trim knob to **CONTINUE** and press the knob.
    - o. Turn the trim knob to **CONTINUE** and press the knob again.
    - p. Select **SAVE** and select **DISK** (not DISKETTE).
    - q. The message, "FILE NAME IN USE" is displayed. Turn the trim knob to **REPLACE** and press the knob. You should now be back at the SET UP screen.
    - r. Select **RETURN**.
    - s. Select **SYSTEM INITIALIZATION** and press the trim knob. The message, "Name of the set up file to be used when stress program is started:" is displayed.
    - t. Press the trim knob to **SELECT SET UP FILE NAME**.
    - u. Select **TREADMILL 60 MHZ** and press the trim knob.
    - v. The cursor will be at DEVICE TO INITIALIZE: DISK. Press the trim knob to select **DISK** and press the knob. Go to **OK?** and press the knob. Go to **YES** and press the knob again.
    - w. At **CONTINUE**, press the knob. The system will save the set up and return to the DESIGN MENU.

x. Select **RETURN**. After a few seconds, you will be back at main test screen.

To check that all was saved:

y. Press the trim knob and select **WRITER**.

z. Select **PRINT**.

aa. Select **SET-UP**. The unit will now print out the system configuration. Review outputs to make sure the parameters are set as follows:

Pulse 1 = QRS, 50 msec.

BP DEV = MEI 1950.

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