

## **DE-2500 Transducer Calibration Procedure**

1. Connect the computer cable from the computer to the DB9 port #1 on the back of DE-2500 display module.
2. Using the DE-2500 software resident on the CDROM, open the DE-2500 program. Then click on the "CALIBRATE" button at the top of the screen.
3. Select the channel to be calibrated.
4. Sensor selection will show either a default value or the past calibrated values depending the version of the firmware in the DE-2500.
5. Under the "CALIBRATION SETPOINT" section you will find a box that reads "CURRENT DATA". This is the actual information being displayed on the DE-2500 Display.
6. On the Terminal Board under "Connections for Analog Inputs" connect a voltmeter between the (+) and the (-) transducer input connections for the channel being calibrated, this voltage is the output of the transducer.
7. Apply the desired minimum pressure or temperature to the transducer being calibrated. Next take note of the voltage being measured on the voltmeter, this voltage is to be entered in the "LOW SENSOR VOLTAGE" box. Then click the "ACCEPT" key to enter the new low value.
8. Increase the pressure or temperature to the desired high reading of the transducer being calibrated. Again take note of the voltage being measured and enter the measured voltage in the "HIGH SENSOR VOLTAGE" box and hit accept.
9. Your calibration of that channel is complete.