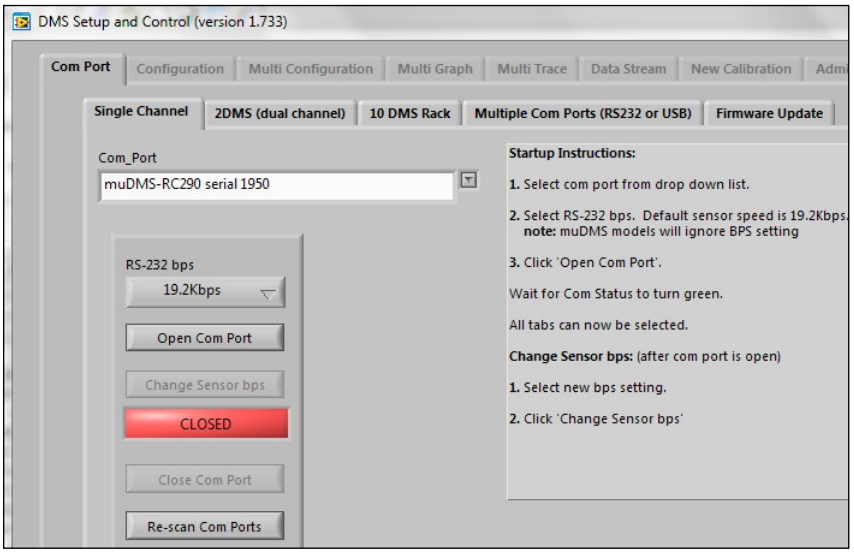
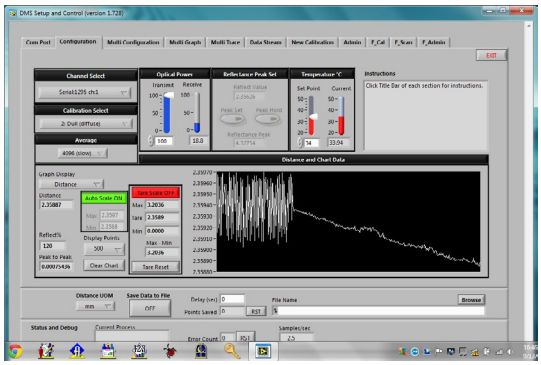
Quick Start Guide for muDMS Sensors

1. Connect the AC/DC power adaptor to the sensor.
2. Connect the sensor to a PC port using USB adaptor cable.
3. Turn on AC power.
4. Load Philtec's DMS Control Software into your PC*
5. Open the DMS Control Software
6. *At Single Channel Tab*, select the sensor serial number to be used from the Com Port menu.
7. Click Open Com Port
8. Click on Configuration Tab to set up the sensor controls





SOFTWARE & FIRMWARE DOWNLOADS

*DMS sensors can be updated remotely at any PC. The most current versions of control software and firmware are posted at http://www.philtec.com/downloadssupport/firmware.html

PROCEDURE
Download the DMS Control software to your local hard drive.
Locate the .exe file and execute the program. Follow the on-screen instructions.

SETUP & CONFIGURATION

1. ***Temperature: The factory preset is 35°C.*** Use the slide controls to set the temperature of the electronics. Allow the unit to reach steady state temperature prior to making any measurements. This can take 10 - 15 minutes. Raise the SET POINT ~3° higher than the unheated steady state temperature.

2. ***Calibration Select:*** choose the **Mirror** calibration data table for smooth polished targets. Choose the **Diffuse** calibration data table for all other targets.

3. ***Average Filter***: select **2 averages** for highest sensor speed. select **4056 averages** for best resolution.

4. ***Optical Power*** **:.. read Receive Power.** The factory preset is with 20% transmit power. Move the sensor thru its operating range and note the highest Receive Power**.** Adjust the Transmit Power so that the receive power PEAK VALUE is a good signal but does not exceed 95%. The sensor will function normally with 1% or better receive signal power.