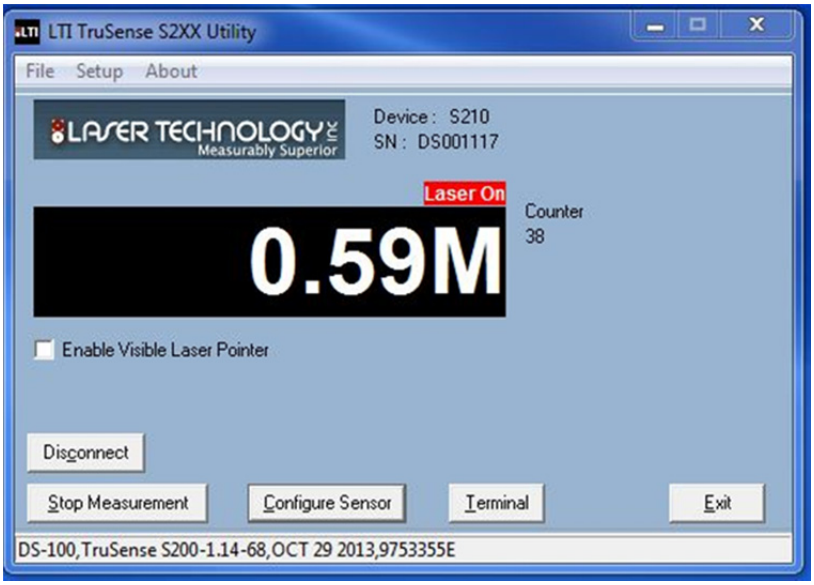
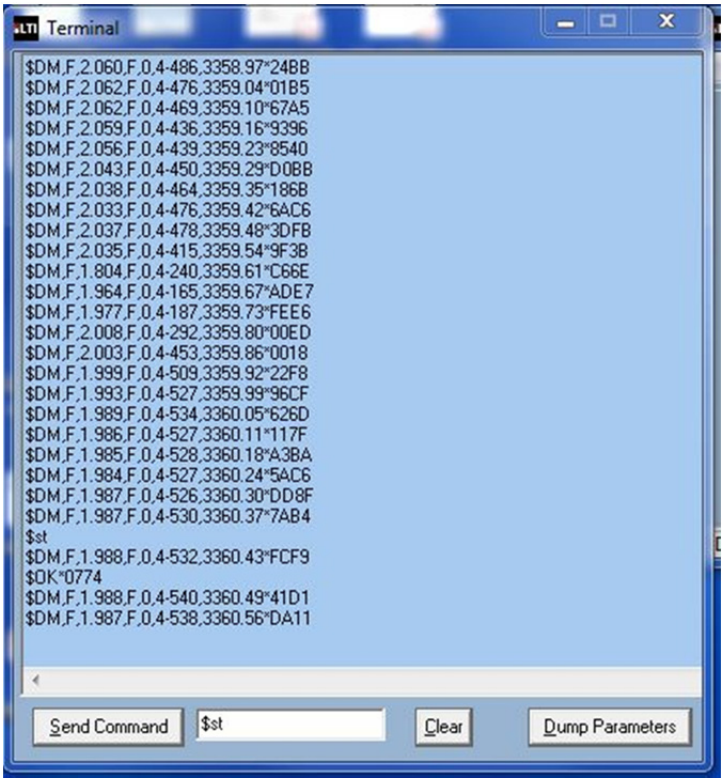
TruSense S230 Configuration



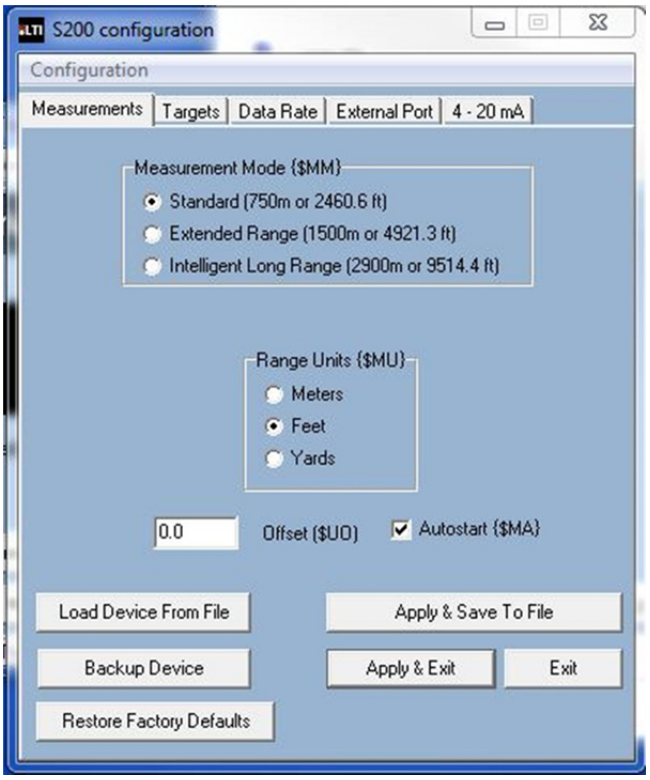
Graphical Users Interface

- **Device**: Model
- **SN**: Device serial number
- **Red "Laser On"**: Laser is firing
- **Counter**: Measurement count
- **Enable Visible Laser Pointer**: Alignment laser
- **Terminal**: Brings up Terminal Mode. User can type in commands and see response as well as scrolling data as the sensor is measuring.
- Enter "Configure Sensor" for setup menus.



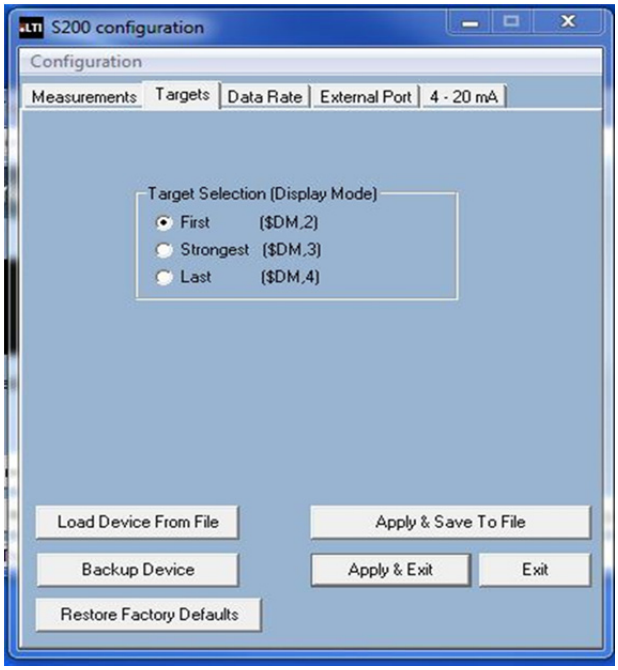
Terminal Window

- User may enter commands in the lower window. The data scrolls in the main window.
- **Dump Parameters**: Scrolls the settings in the sensor for review.



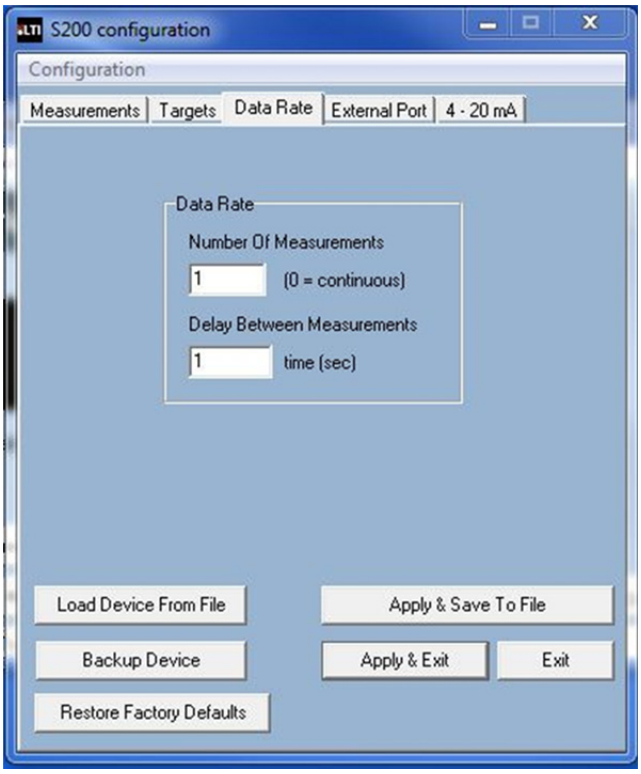
Measurements Tab

- **Measurement Mode**: Selection based on the maximum range.
- **Range Units**: User may select measurement units.
- **Offset**: Adds or subtracts from overall measurement.
- **Autostart**: Enable Autostart for sensor to automatically begin measuring on power up.
- **Load Device from File**: Upload file settings from saved file to sensor.
- **Backup Device**: Save current sensor settings to file.
- **Restore Factory Defaults**: Load settings from the factory from non-volatile memory.
- **Apply & Save to File**: Load menu settings to sensor and save to file.
- **Apply & Exit**: Save menu settings to sensor and exit.
- **Exit**: Simply exit.



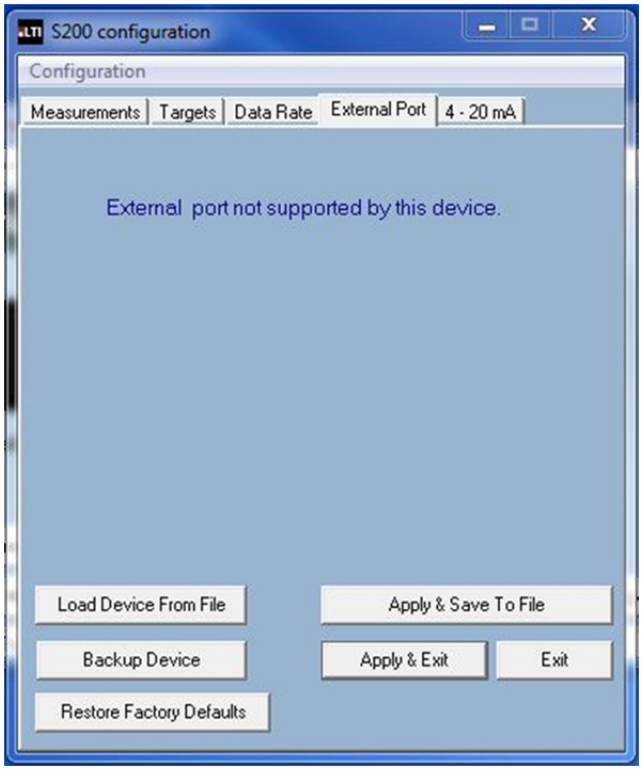
Targets Tab

- Target Selection: Target Discrimination Menu. User selects target based on application.
- Advanced target displays are available Serial Communication Protocol section.



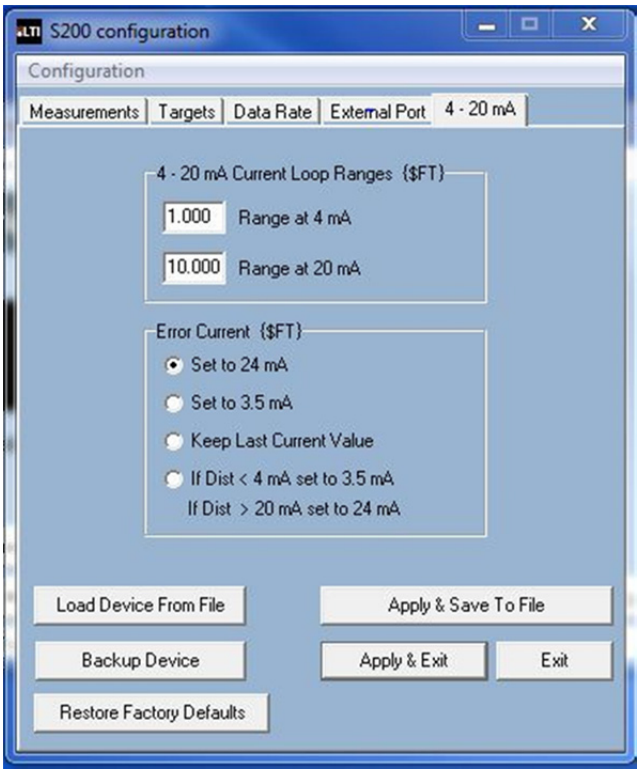
Data Rate Tab

- User can select data update rate. In this example, the update rate is set to 1 Hz or 1 measurement per second.
- User would set both windows to "0" for maximum update rate of 14 Hz using these settings.
- Example #1: The user wants an update rate of 5 Hz. They would enter 1 for number of measurements and 0.2 (the inverse of 5) for delay between measurements.
- Example #2: The user wants 1 reading every 10 seconds. They would enter 1 for number of Measurements and 10 for delay between measurements.



External Port Tab

- This menu appears when connected to an S230 as this menu is inactive with this model.

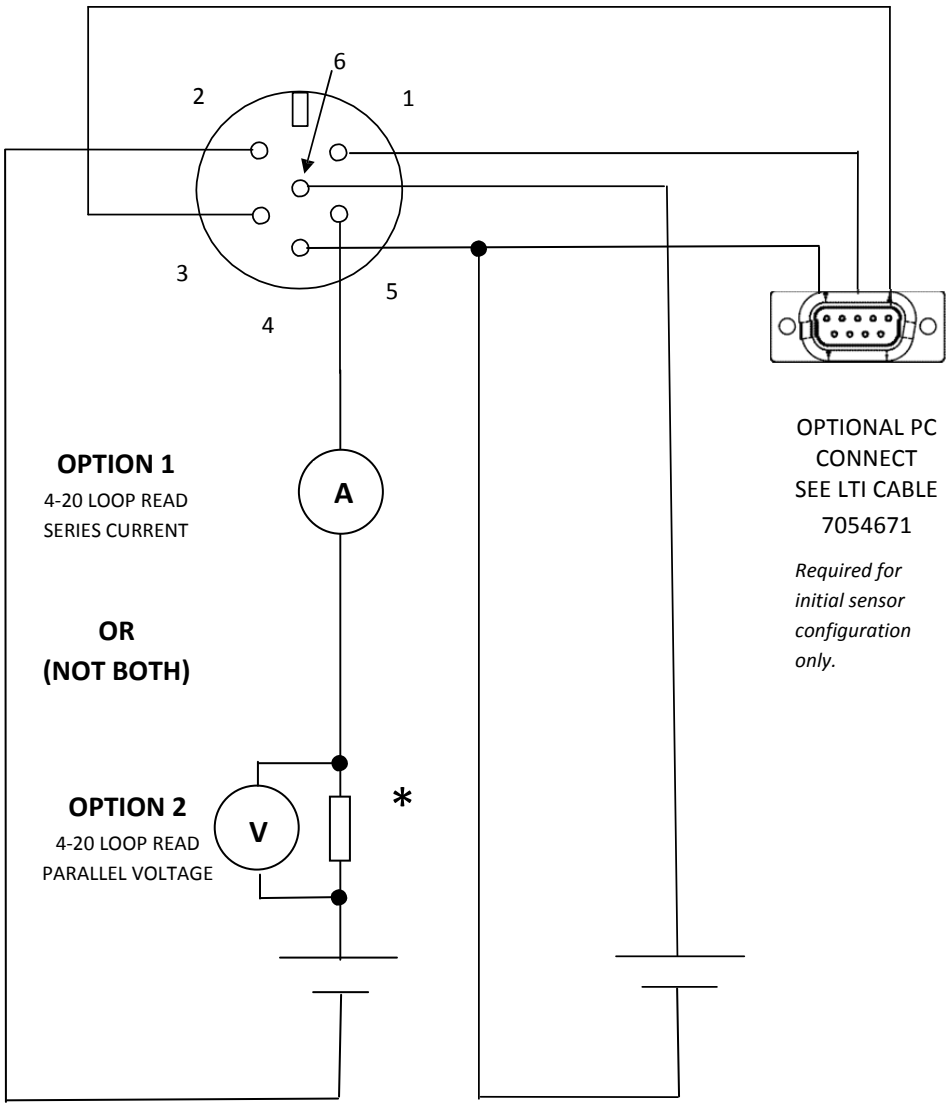


4-20 mA Tab

- 4-20 menu allows the user to set ranges at 4 and 20 scale.
- Error current is set here as well.
- A difference of at least 6.6 feet must be between the range of 4 mA and 20 mA.

S230 4-20 Cable with Optional PC Connect (1 of 2)

SENSOR CONNECTIONS		
1	BROWN	RS232TX
2	WHITE	4-20-
3	BLUE	RS232RX
4	BLACK	GND
5	GRAY	4-20+
6	PINK	+12VDC



S230 4-20 Cable with Optional PC Connect (2 of 2)