



10 BAR (150 PSI) Pressure Sensor with SSI-4 PLUS Adapter

Wiring

1. Connect the **RED** wire to the SSI-4 PLUS 5V terminal
2. Connect one of the two **BLACK** wires to the GND terminal of the SSI-4 PLUS.
3. Connect the **WHITE** wire to the desired channel's '+' terminal.

Note: The pressure sensor has a 0-5V output and by default channels 2-4 on the SSI-4 PLUS are configured to receive a 0-5V reference. Please refer to the SSI-4 PLUS manual for instructions to configure the channels if necessary.

4. Connect the second **BLACK** wire to the '-' terminal of the channel used.
5. Connect the pressure sensor's male three pin connector to the female 3 pin connector on the pig tail.



Pressure Sensor Installation

- The pressure sensor has 1/8 NPT external threads.
- Mount the sensor using Teflon tape over the threads to avoid leaks.
- Do not install the sensor near the oil pump or to the pressure switch directly. Failure to do so could damage the sensor due to the pressure pulsations.

LogWorks Configuration

1. To configure the input in the LogWorks software go to Channels/ Configure Channel and select the channel which you have the sensor connected to.
2. Change the Input Mode to “Innovate 150 PSI pressure sensor” and the sensor’s configuration will be automatically applied.

Note: The sensor’s configuration may also be entered manually. The configuration is:
0 PSI = .5 Volts and 150 PSI = 4.5 Volts

3. Click OK to save the changes.

The screenshot shows the 'Configure Input' dialog box with the following settings:

- Input Name:** SSI4Plus_4
- Input Type:** SSI-4 Input Module, SSI4Plus Channel 4
- Input Mode (ch 4):** Innovate 150 PSI pressure sensor
- Input Interpretation:**
 - Unit of measurement: PSI
 - Range: 0.0 PSI and 150.0 PSI
 - Equivalent voltages: 0.50 Volt and 4.50 Volt
 - Options: Expand to 0.5V, Limit to programmed range
- Buttons:** Conversion Calculator, Invert Scale, Custom Lookup Table, Delete Table, Cancel, OK