



## 100 BAR (1500 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 -27 NPT external threads.
- Mount the sensor using thread compound or Teflon tape over the threads to avoid leaks.
- Torque the sensor 2~3 turns from finger tight. Do not overtighten the sender.
- Verify that there are no leaks around the new fittings. Soapy water works best.

## 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 1500 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 1500 PSI = 4.5 Volts**

3. Click OK to save the changes.

**Configure Input**

Input Name: SSI4Plus\_4

Input Type

SSI-4 Input Module

SSI4Plus Channel 4

Input Mode (ch 4)

Innovate 1500 PSI pressure sensor

Input Interpretation

Unit of measurement: PSI

0 PSI and 1500 PSI

equivalent to 0.50 Volt

equivalent to 4.50 Volt

Expand to 0..5V

Limit to programmed range

Conversion Calculator Invert Scale

Custom Lookup Table Delete Table Cancel OK