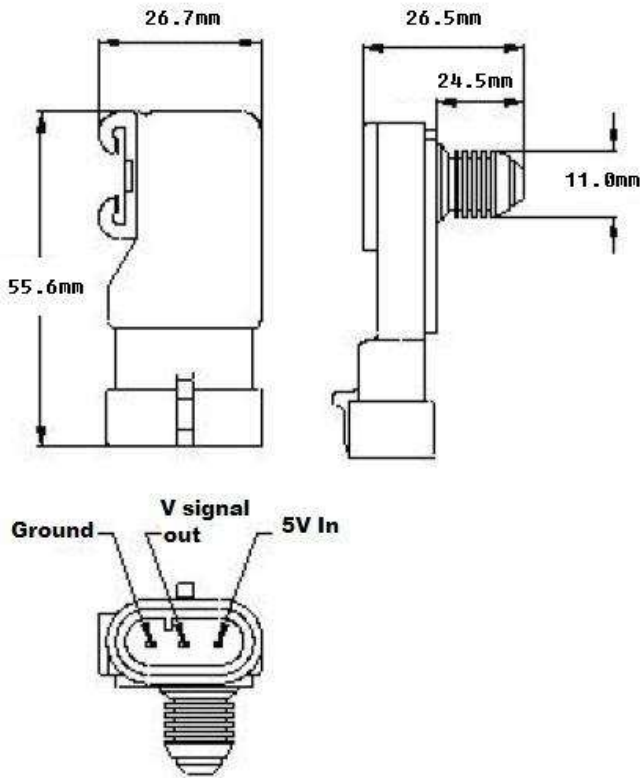


## Auber-303 3 Bar Boost Pressure Transmitter

**⚠ Warning:** Please follow the wiring diagram carefully when connecting power to the sensor. Wiring the sensor incorrectly may permanently damage the sensor.

### Dimension and Pin Specification



### Wiring

This pressure transmitter should be powered by regulated 5VDC power supply. In the current version of Auber-303 sensor, the red wire should be connected to the 5VDC power source; black wire should be connected to the ground terminal; and the yellow wire should be connected to the signal input terminal.

### Note:

- (i) Please double check the pin assignment and cable color code before wiring the sensor. Reverse the Ground and 5VDC cable may damage the sensor.
- (ii) In an older version of Auber-303, the cable has brown, yellow/green, and blue wires. In that case, connect the brown wire to 5V power, the blue wire to ground, and the yellow/green wire to the signal input terminal.

### Output Specification

Relative Pressure (Bar)	Output (V) 25°C
0.0	0.5
3.0	4.5

**General Specification****Electrical:**

Supply Voltage: 5.0±0.5 VDC.

Supply Current: 10 mA max.

Maximum Output Current Sink: 1 mA.

Source: 0.1 mA.

Output Impedance: 10 ohms max.

Output Type: ratio metric.

Output Voltage: 0.1 to 4.85 VDC at 5VDC excitation.

**Sensor Operating Characteristics:**

Range:

-0.3 bar to 3.3 bar (relative pressure, or gauge pressure);

-5.0 psi to 48 psi (relative pressure, or gauge pressure).

Proof Pressure: 200%FS.

Static Accuracy (%FS):

-40 ~ 0 °C, 3% FS;

0 ~ 80 °C, 1% FS;

80 ~ 135 °C, 3% FS.

**Environmental Effects:**

Compensated Temperature Range: -40°C to +135°C.

Storage Temperature Range: -50°C to +165°C.

**Mechanical:**

Compatibility Media: Air

Note: Static accuracy is the RSS of non-linearity, hysteresis, and non-repeatability.