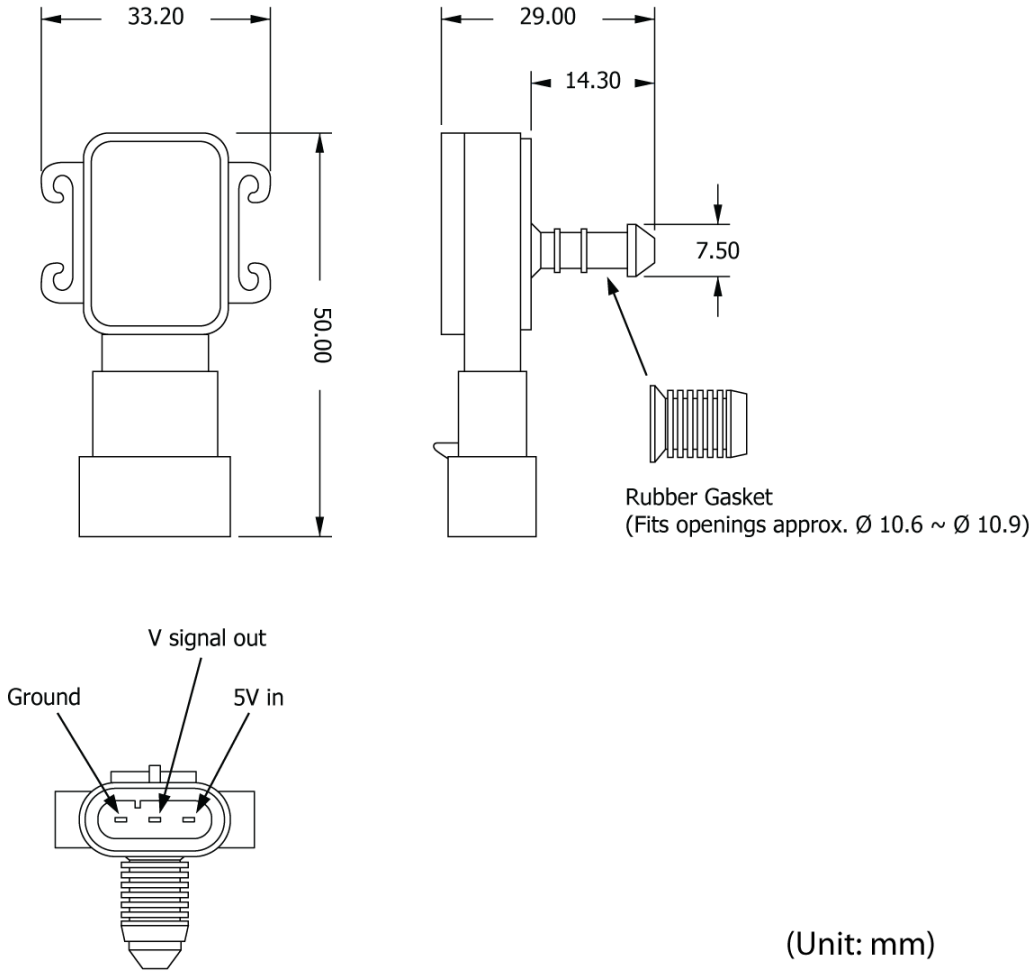
Auber-303 3 Bar Boost Pressure Transmitter

(*v1.7, October 2020*)

***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



(Unit: mm)

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) Please verify the continuity of each wire in the cable to its assigned pin in the connector. You'll need a multimeter to check the continuity.

Output Specification

Relative Pressure (Bar)	Output (V) at 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 ohm max.
Output Type: ratio metric.
Output Voltage: 0.1 to 4.85 VDC at 5VDC excitation.

Sensor Operating Characteristics:
Pressure Range (relative/gauge pressure): -0.3 bar to 3.3 bar (-5.0 psi to 48.0 psi).
Proof Pressure: 200%FS.
Static Accuracy (%FS): -40°C ~ 0°C, 3% FS;
0°C ~ 80°C, 1% FS;
80°C ~ 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.