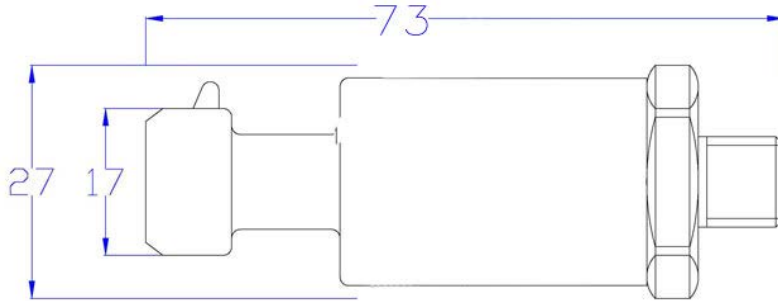


Auber PV-1

-1 Bar (-14.5 PSI) Vacuum Gauge Pressure Transmitter Dimensions (mm)



This pressure transmitter is to be powered by regulated 5 VDC power supply. Connect red wire to the 5VDC power source. Connect green wire to the ground. Yellow wire is the signal output.

Output Specification

Relative Pressure (Bar)	Output (V) 25°C
-1	0.5
0	4.5

General Specification

- MEMS Technology
- All stainless steel structure
- Reverse polarity protection
- High stability, long-term stability
- Piezo-resistive silicon chip employed

Electrical

Supply Voltage: 5.0±0.5 VDC
Supply Current: 10 mA max
Maximum Output Current Sink: 1 mA
Output Impedance: 10 ohms max
Output Type: Ratiometric
Output Voltage: 0.5V for -1 bar; 4.5 V for 0 bar

Sensor Operating Characteristics

Pressure Range (gauge pressure): -1 bar to 0 bar (-14.5 to 0 PSI)
Proof Pressure: 150%FS
Static Accuracy (%FS): ±1%
Response Time: ≤1ms(90%FS)
Compensated Temperature Range: -10°C to +70°C
Operating Temperature Range: -20°C to +80°C

Mechanical

Protection Class: IP65
Media Compatibility: Media Compatible with Silicone

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