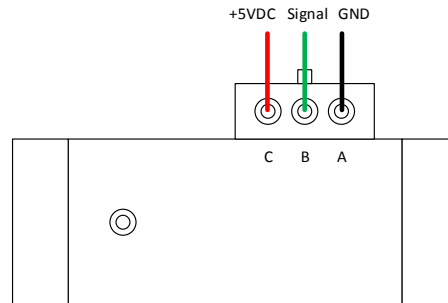


Auber-103 3 Bar MAP Transmitter

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

Pin Assignment



Wiring

This pressure transmitter is to be powered by regulated 5V DC power supply. Connect pin C (red wire) to the 5VDC power source. Connect pin A (black wire) to the ground. Pin B (green wire) is the signal output.

Output Specification

Pressure (kPa)	Output (V) 25°C	Output (V) 25°C min	Output (V) 25°C max	Output (V) 105°C min	Output (V) 105°C max
40	0.619				
71	1.112	1.070	1.154	1.028	1.196
150	2.369	2.327	2.411	2.285	2.453
240	3.800	3.758	3.842	3.716	3.884
304	4.818				

Note: the output specification is compatible with GM 12223861 3.0 Bar Sensor.

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: 0.25 to 4.85 VDC at 5VDC excitation

Sensor Operating Characteristics:

Range: 0.4 bar to 3.0 bar

Proof Pressure: 200%FS

Static Accuracy (%FS): 1.5 typ

Environmental Effects:

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

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

Mechanical:

Media Compatibility: Media Compatible with Silicone

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