



Model 2100-101-1 Barometric Pressure Sensor



Operation

The Model 2100-101-1 is a low cost, extremely accurate, and stable barometric pressure sensor. The glass fused ceramic capacitive sensing capsule features inherent thermal stability, low hysteresis and fundamentally simple design. The sensor has a convenient 1/8 'barbed tube fitting for ease of installation.

The 2100-101-1 is a three wire device (12 VDC, Signal, common). The analog output is scaled from 600 – 1100 mbar (0.1 – 5.1 VDC).

The Model 2100-101-1 operates over temperature range of -18°C to +80°C (0°F to +175°F).

The 2100-101-1 is mounted in the OSi Data Acquisition Platform (ODAP). When ordered as a system, the 2100-101-1 is factory installed. In the ODAP The 2100-101-1 is easily added to existing OSi systems and may be installed by the user.

Model 2100-101-1 Advantages

- Long-term Stability
- Low Power Consumption
- 1.25 hPa Accuracy
- Meets CE Conformance Standards

Ordering Information:

- Model No: 2100-101-1

Model 2100-101-1 Barometric Pressure Sensor Specifications


Performance Specification	
Accuracy at constant temperature	1.25 hPa
Compensated Range	0 to +55° C (+30 - +130° F)
Zero Shift	1% FS
Span Shift	1% FS
Long Term Stability	1.25 hPa per 6 months
Response Time	<10 mSec

Electronic Specification	
Electrical Circuit	3 wire
Excitation	9.0 to 14.5 VDC
Output	0.1 to 5.1 VDC
Output Impedance	5 ohms
Sensor Electrical Connection	0.6 meter cable

Environmental Specification	
Operating Temperature Range	-18 to +80° C
Storage Temperature Range	-65 to +120° C

Physical Specification	
Case	Stainless Steel
Pressure Fitting	1/8" (ID diameter) Barbed Fitting

Specifications are subject to change without notice.

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