

Barometric Pressure

TB-2012M Barometric Pressure Sensor



Description

The Texas Electronics, Inc. TB-2012M Barometric Pressure Sensor uses an active solid-state device to sense barometric pressure. Self-contained electronics provide a regulated voltage to the solid-state sensor and amplification for the signal output. The unit's range of 26" to 32" of mercury, or 878 to 1080 mbar allows it to be used at elevations up to 1800 feet (548.64, meters) above sea level. The unit is temperature compensated from -18° to +50°C. If elevations above 1800 feet (548.64 meters) are required contact the factory for higher elevation calibration.

Features & Benefits

- Interfaces to virtually all data acquisition systems
- Can be used up to 1800 ft. elevation without factory modification
- Over 1800 ft. elevation applications available
- Easy installation and maintenance
- Over 5 years in production
- Weatherproof Nema Enclosure for superior outdoor protection
- Wide range of 26" to 32" Hg. or 878 to 1080 mb



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Specifications

Calibration Range:	26" to 32" or 878 mb to 1080 mb
Supply Voltage:	12 to 15 VDC
Current Draw:	<15 mA
Accuracy:	+/- 1.3 mb
Operating Temperature:	-40° to +50°C
Range:	
Output:	0-1 VDC
Optional Output:	4-20 mA
Weight:	2 lbs. with 60 ft. cable
Dimensions:	6"H x 5" x 3"D (15.24 cm x 12.7 cm x 7.62 cm)
Cable:	60', 22 Gauge 3 Conductor
Warranty:	3 years

Installation & Maintenance

Select a site where the instrument will not be subject to rapid fluctuations of temperature or to jarring and continuous vibration. Avoid exposing the instrument to direct sunlight or radiant heaters and to direct drafts such as open windows and doors. A mounting bracket with hardware is attached to the Nema enclosure of the sensor. Altitude setting instructions are included within the operations manual supplied with the sensor.

Ordering information

Model #	Description
TB-2012M	Barometric Pressure Sensor
TB-2012M-A	Barometric Pressure Sensor, 4-20 mA

Optional Parts / Accessories

Cable	Additional Cable
High Elevation	Applications of higher than 1800 ft. above sea-level require factory modification