



# Texas Electronics, Inc.

The Gold Standard in Weather Instrumentation Since 1957

## 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" or 878 mb to 1080 mb of mercury allows it to be used at elevations up to 1800 feet or 548.64 meters above sea level. The unit is temperature compensated from -18° to +50°C. If elevations above 1800 feet or 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

### Specifications

Calibration Range:	26" to 32" or 878 mb to 1080 mb
Supply Voltage:	12 to 15 VDC
Current Draw:	<15 mA
Accuracy:	+/- 1.3mb
Operating Temperature Range:	-40° to +50°C
Calibrated Temperature Range:	-18° to +50°C
Output:	0-1 VDC
Optional Output:	4-20 mA
Weight:	2 lb. or 8.9 N or .907 kg. w/ 60 ft. or 18.3 meters cable
Dimensions:	6" or 15.24 cm H x 5" or 12.7 cm W x 3" or 7.62 cm D (Single enclosure: double enclosure also available)
Warranty:	3 year

### 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

<u>Model #</u>	<u>Description</u>
TB-2012M	Barometric Pressure Sensor
TB-2012MA	Barometric Pressure Sensor, 4-20 mA

#### Optional Parts / Accessories

Cable	Additional Cable
High Elevation:	Applications of higher than 1800 ft. or 548.64 meters above sea-level require factory modification.

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