



BAROMETRIC PRESSURE SENSOR

630-0260-000

Automata’s Barometric Pressure Sensor is suitable for use in trend/absolute barometric pressure applications. Trend mode is an expanded scale showing changes and absolute value is beyond the accuracy specifications. The Barometric Pressure Sensor includes sensor, 25’ of cable and is housed in an instrumentation chassis with 2 mounting screws. The low power consumption and fast turn on time make it ideal for battery-powered applications. A voltage signal makes it compatible with most types of monitoring equipment.



Specifications	
Measurement Range	200 mbar Span in Trend Mode
Zero adjust range for Altitude	5000 Feet
Accuracy at +20° C	1%
Temperature Range	-40...+60° C (-40...+140° F)
Humidity Range	Non-condensing up to 100%
Inputs and Outputs	One analog (Trend) and one analog (Absolute)
Operating voltage	12Volts ± 15%
Power Consumption	30 mAmp, may be used in switched mode.
Output	0...5 VDC
Wiring	Red...+12Volts Green...Signal Trend Black...Ground White...Signal Absolute (.05-4.5 volts) 1034 mbar

Operation

Note: After installation at its destination adjusts the Trend zero reading. Two calibration methods can be used:

1. Use the zero adjust potentiometer provided for elevation compensation by comparing the reading to a known barometric pressure to the absolute output.
2. Adjust the output to approximately 2.5 volts. If the unit is connected to an Automata telemetry station, the output may be adjusted anywhere in the operating range of 0-5 Volts.

The actual zero adjusts for barometric pressure could be done in software via the adder.

Email: sales@automata-inc.com • <http://www.automata-inc.com>
Fax: (530) 478-5881 • Phone: (530) 478-5882 • (800) 994-0380
138 New Mohawk Rd., Ste. 151 • Nevada City, California 95959