TREND BAROMETRIC PRESSURE SENSOR
Model: BARP1000

FEATURES

The Automata Trend Barometric Pressure Sensor is suitable for use in trend barometric pressure applications. Automata's Model BARP1000 circuit board can easily be mounted in various 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. Note: After installation at its destination adjust the zero reading. Two calibration methods can be used:

1. Adjust zero of the output to a known barometric pressure reference.
2. Adjust the output to approximately 2.5 volts. Do actual adjustments in the software.

Specifications	
Measurement Range	200 mB Span
Zero adjust range for Altitude	5000 Feet
Accuracy at +20º C	1%
Operating environment	
Temperature Range	-40…+60° C (-40…+140° F)
Humidity Range	Non-condensing
Inputs and Outputs	
Operating voltage	12Volts ± 15%
Power Consumption	
Operation Mode	Less than 12mA
Output Voltage	0…5 VDC
Mechanics	
Wiring	Red…...+12Volts Green…Signal Black…Ground

Operation – Install the unit in its final destination. Use the zero adjust potentiometer provided for elevation compensation by comparing the reading to a known barometric pressure at that time (aeroports are a good sensor). 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 adjust for barometric pressure could be done in software via the adder.

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