

Barometric Pressure Sensor

Model: SEN-Baro1

Description:

The SEN-Baro1 barometric pressure sensors combine a wide pressure measurement range, wide operating temperature range, high accuracy, low power use, and low cost into a small, rugged package. These sensors are ideal for continuous barometric pressure measurement on weather stations and providing routine pressure measurements for correction of sensor outputs that are sensitive to barometric pressure fluctuations

Specifications:

Pressure range 300 ... 1100 hPa
(equiv. to +9000...-500 m above/below sea level)
Relative accuracy ± 0.12 hPa, equiv. to ± 1 m
(950 ... 1050hPa @25°C)
Absolute accuracy typ. ± 1 hPa
(600 ...1100 hPa, @25°C)
Temperature coefficient offset 1.5 Pa/K, equiv. to 12.6 cm/K
(25 ... 40°C @900hPa)
Current consumption 2.7 μ A @ 1 Hz sampling rate
Temperature range -40 ... +85 °C

Input: 10-28 VDC OR 30-60 VDC

Output: Voltage: 0 to 1, 2.5, 5, 10 V
Current: 4-20mA, 0-20mA
RS485 / RS232

Installation: on board installation as a part of Weather Station or 3 meters pigtail lead with Radiation Shield (*extendable at extra cost*)



Optional Radiation Shield is also available for Barometric Pressure Sensor at extra cost

Applications:

Continuous barometric pressure measurement on weather stations and providing routine pressure measurements for correction of sensor outputs that are sensitive to barometric pressure fluctuations.

Ordering Guide:

Output	Model No.
1.For Voltage O/P:	SEN-Baro1-V-x (x stands range; 1, 2.5, 5, 10)
2.For Current O/P:	SEN-Baro1-C-x (x stands range; 4-20, 0-20)
3.For RS485 O/P:	SEN-Baro1-RS485
4.For RS232 O/P:	SEN-Baro1-RS232

Please mention input range information along with your enquiry / Purchase order if purchased separately

Virtual

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Represented by:

**** Drawing & specifications are subjected to change at any time without prior notice as per manufacturing suitability.**