

Barometric Pressure Sensor

Model: SEN-Baro1

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

Barometric Pressure Sensor

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)

Ordering Guide

Output

1. For Voltage O/P:

Model No.

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

DUQE Square Business Centre, Quarter
Deck, Queen Elizabeth 2, Mina Rashid,
Dubai (United Arab Emirates)

Tel. +971-525829733

E-mail: sales@instrumex.ae

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

Represented by

Instrumex, Dubai

Tel. +971-525829733

E-mail: sales@instrumex.ae

Web: www.instrumex.ae

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