

MODEL GEO-61302

BAROMETRIC PRESSURE SENSOR

The **Model 61302** Barometric Pressure Sensor offers extremely high accuracy over a broad range of pressures and temperatures. Two models are available; 61302V offers a popular 0-5 VDC signal, 61302L features a useful 4-20 mA current loop. In addition to the analog signal, each model features RS-232 serial signal. (61302L has both RS-232 and RS-485).

The barometer is housed in a compact protective case which can be easily mounted in most standard instrument enclosures. A plug-in terminal block simplifies wiring and maintenance tasks. For outdoor use, an optional Weatherproof Enclosure simplifies installation. For improved outdoor performance, the Pressure Port is recommended. The Pressure Port minimizes dynamic pressure errors due to wind blowing across the sensor inlet.



Weatherproof Enclosure and Pressure Port and Datalogger

SPECIFICATIONS:

Operating Range:

500 to 1100 hPa

Operating Temperature:

-50 to +60 °C

Accuracy (rms values):

±0.2 hPa at 25°C

±0.3 hPa over temperature range

±0.1 hPa at 25°C, 'S' version

±0.2hPa over temperature range 'S' version

Update Rate:

3Hz

Serial Output:

Full duplex RS-232

9600 baud

Polled or continuous

ASCII text output

Half duplex RS-485 (61302L only)

Analog Outputs:

0 to 5000 mV (61302V)

4 to 20 mA (61302L)

Resolution

Analog 0.1 hPa typical

Digital 0.01 hPa typical

Power

7 to 30 VDC at 3 mA

Dimensions

90 mm x 60 mm x 20 mm

Weight

Net 0.2 lb, Shipping 1 lb

Ordering information

Ordering information	Model
Barometric Pressure Sensor – 0-5 VDC	61302V
Barometric Pressure sensor, 4-20 mA	61302L
Barometric Pressure sensor, high accuracy	61302V-S
Weatherproof Enclosure	61360
Pressure Port with offset bracket	61002