

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.



Specifications

Pressure Range:
500 to 1100 hPa

Operating Temperature:
-50 to +60 °C

Accuracy:
±0.2 hPa * at 25°C
±0.3 hPa * over temperature range

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 (4.6 in) x 60 mm (2.4 in) x 20 mm (0.8 in)

Weight:
Net 0.2 lb
Shipping 1 lb
* rms values



Weatherproof Enclosure and Pressure Port

CE Complies with applicable CE directives.
Specifications subject to change without notice.

Ordering Information

MODEL

BAROMETRIC PRESSURE SENSOR – 0-5 VDC.....	61302V
BAROMETRIC PRESSURE SENSOR – 4-20 mA	61302L
WEATHERPROOF ENCLOSURE	61360
PRESSURE PORT WITH OFFSET BRACKET.....	61002



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