

Barometric Pressure Sensor 1000

The BPS1000 is a highly accurate barometric pressure sensor designed for use in meteorological monitoring applications. Robust and durable, the BPS 1000 is sealed in a weatherproof, UV resistant plastic enclosure.

The BPS1000 Barometric Pressure Sensor provides a 0-5 V output over a range of barometric pressures between 800 to 1100 mBar. Internal voltage regulation allows the device to operate from a single power supply between 7 and 24 V. A potentiometer adjusts output for changes in altitude.

Specifications

Operating range:	800 to 1100 mBar
Proof pressure:	2 Bar
Voltage Output:	0-5 VDC
Operating temp.:	-40 deg C to 85 deg C
Compensated Temp. Range:	-10 deg C to 60 deg C
Non linearity :	0.1% FS
Repeatability:	0.2% FS
Temperature shift:	0.3% FS/10 deg C
Response time:	1 msec
Long term stability:	0.1% FS

