

BPS 1000

Barometric Pressure Sensor

The BPS 1000 is a high accuracy barometric pressure sensor designed specifically for use in meteorological monitoring applications. It is sealed in a weatherproof, UV resistant plastic enclosure and has an operating range of 800 - 1100 mB.

The BPS 1000 Barometric Pressure Sensor provides a true 0-5 V output over the barometric pressure range of 800 to 1100 mB. Internal voltage regulation allows the device to operate from a single power supply between 7 and 24 V. A potentiometer is provided to adjust for changes in altitude.

SPECIFICATIONS

Operating range:	800 to 1100 mBar
Proof pressure:	2 bar
Voltage output:	0-5 VDC
Operating temperature:	-40° C to 85° C
Compensated temp. range:	-10° C to 60° C
Non-linearity & hysteresis:	0.1% FS
Repeatability:	0.2% FS
Temperature shift:	0.3% FS/10° C
Response time:	1 msec
Long term stability:	0.1% FS