

NRG BP60

BAROMETRIC PRESSURE SENSOR

NRG Systems' BP60 Barometric Pressure Sensor brings important upgrades to the proven design of our BP20 Barometric Pressure Sensor, offering significantly improved accuracy and temperature-compensation.

Key Benefits:

- New housing and sensing element improves measurement accuracy over 4x vs. BP20
- Native temperature-compensation allows the sensor to react to internal temperature changes almost immediately
- Well-suited for remote wind and solar energy studies with low, 1 mA current draw
- Designed to be a drop-in replacement for the BP20 for seamless transitions
- Cable lengths up to 110m and an optional up-tower bracket provide flexible mounting options



NRGSystems®



Specifications:

Each BP60 unit undergoes a single-point check to confirm performance within the sensor's specifications, the results of which are available in a factory verification certificate at no additional cost.

A three-point calibration is also available from NRG's ISO 9001: 2015 manufacturing facility.

	NRG BP60 Barometric Pressure Sensor	NRG BP20 Barometric Pressure Sensor
Sensor Type	Analog barometric pressure sensor based on piezo resistive silicon membrane	Micromachined integrated circuit absolute pressure sensor
Sensor Accuracy	Measurement Uncertainty (k = 2): ± 1.12 hPa @ 25°C ± 0.83 hPa @ 25°C (calibrated)	Max uncorrected offset: ± 15.0 hPa (10 to 50°C)
Calibration	Quality certificate included with each sensor Optional 3-point calibration available	Calibration sheet included with each sensor specifies offset correction
Cables + Mounting	Cable lengths up to 110m, optional up-tower mounting bracket available	1.5m cable only
Output Signal Range	0 to 5 V	0 to 5 V
Supply Voltage	5 to 15 VDC 5 V pulsed excitation recommended	7 V to 35 V DC
Supply Current	1.0 mA with recommended 5 VDC pulsed input 1.25 mA max	15 mA max (8 mA typical)

For more information:

NRG Sales
 +1 802.482.2255
 sales@nrgsystems.com
 nrgsystems.com
 ISO 9001: 2015 Certified
 ISO 14001:2015 Self-Certified

