

# NRG BP65

## BAROMETRIC PRESSURE SENSOR

This next generation barometric pressure sensor builds on the NRG BP60's trusted design, providing accurate measurements and lowering uncertainty.

### Key Benefits:

- High accuracy at an economical price point
- 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 BP60 for seamless transitions
- Cable lengths up to 110m and an optional up-tower bracket provide flexible mounting options





### Specifications:

Each BP65 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 BP65 Barometric Pressure Sensor	
<b>Sensor Type</b>	Analog barometric pressure sensor based on piezo resistive silicon membrane
<b>Sensor Accuracy</b>	Uncertainty (k = 2): ± 1.12 hPa (@ 25°C) ± 3.43 hPa (-20 to 40°C) ± 2.13 hPa (0 to 40°C)
<b>Calibration</b>	Each sensor individually tested to meet or exceed published specifications. A certificate of quality is available for each individual sensor.
<b>Cables + Mounting</b>	For maximum protection against ingress, place sensor inside data logger shelter box. Recommended but not required. A hose clamp is included with each sensor to mount sensor directly to met tower beneath a data logger shelter box. An optional mounting bracket is sold separately for secure mounting up-tower.
<b>Output Signal Range</b>	0.020 to 2.480 VDC
<b>Supply Voltage</b>	5 V pulsed excitation recommended.  <i>Note: When using a 3rd party data logger capable of pulsed excitation operation, please allow a minimum of 25ms settling time between the initial power-up and reading the sensor output voltage.</i>
<b>Supply Current</b>	1.1 mA with recommended 5 V pulsed excitation 1.3 mA max

### For more information:

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ISO 9001: 2015 Certified  
ISO 14001:2015 Self-Certified

