



# Certificate of Calibration

NRG Systems BP20 Barometric Pressure Sensor

## Serial No. 1805 33591

### Product Description:

Manufacturer	Description	Cal. Date
NRG Systems	BP20 Barometric Pressure Sensor	11/22/2017

NRG Systems, hereby certifies that the above instrumentation has been calibrated and tested to **meet or exceed** the published specifications. This calibration and testing was performed using instrumentation and standards that are traceable to the **National Institute for Standards and Technology (NIST)**.

Standard Uncertainty of Barometric Pressure Measurement =  $\pm 1.32\text{mb}$

The output (in kPa) for this BP20 sensor is defined by:  $P = (21.79 \times V_{out}) + 10.77$

Criteria	Value	Units
BP20 Slope	21.79	kPa / Volt
BP20 Offset	10.77	kPa

Slope (Scale Factor) and Offset Conversion Chart for NRG Systems' Data Loggers.

To Scale to...	SymphoniePLUS3 and Older <i>[Symphonie Data Retriever (SDR) software]</i>		SymphoniePRO Data Logger <i>[SymphoniePRO Desktop Application]</i>	
	enter Scale Factor	and enter Offset	enter Scale Factor	and enter Offset
hPa (mb)	0.4255	652.399	217.9	107.7
kPa	0.04255	65.240	21.79	10.77
inches of mercury	0.01257	19.265	6.435	3.180

**Procedure:** WI-ELE-58

**Calibration performed by:** ljs

**Date:** 11/22/2017

NRG Systems' management system has been certified to ISO 9001: 2008.