



Certificate of Calibration

NRG Systems BP20 Barometric Pressure Sensor

Serial No. 1805 34164

Product Description:

Manufacturer	Description	Cal. Date
NRG Systems	BP20 Barometric Pressure Sensor	1/25/2018

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: $P = (21.79 \times V_{out}) + 10.33$

Criteria	Value	Units
BP20 Slope	21.79	kPa / Volt
BP20 Offset	10.33	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	648.002	217.9	103.3
kPa	0.04255	64.800	21.79	10.33
inches of mercury	0.01257	19.136	6.435	3.051

Procedure: WI-ELE-58

Calibration performed by: WJK

Date: 1/25/2018

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