Certificate of Conformance



calibration date

03/30/2001

Calibration Data: Room Temperature

Zero-G Voltage

Sensitivity

2.500

Part Number

Serial Number

CXL10HF1Z

101363

Options:

AC Coupled, min freq: 0 Hz

Wiring Diagram:

Color	Pin	Function	
Red	1	5 - 30 Vdc	
Black	2	Ground	
Green	5	Sensor	
			_

Thank you for choosing a Crossbow sensor. This worksheet is designed to help you get started. Refer to the product data sheet for more complete information.

Definitions

Zero-G Voltage: This number is the output voltage of the sensor with zero applied acceleration measured at the factory on the day of the calibration.

Sensitivity: This number is the sensor's sensitivity in Volts per G. One G is approximately 9.8 meters per second squared.

Calibration

The simplest method of field calibration is to record the sensor's output voltage when exposed to the Earth's gravitational field. Expose the sensor to +1G to obtain a more positive reading than the zero-G voltage. Expose the sensor to -1G to obtain a more negative reading than the zero-G voltage. The offset is defined as the average of the +1G and -1G voltages. The sensitivity in Volts per G is one-half the difference of the +1G and -1G voltages. Please note that this technique only works on DC coupled sensors. If your sensor is AC coupled, a shaker is required for proper calibration.

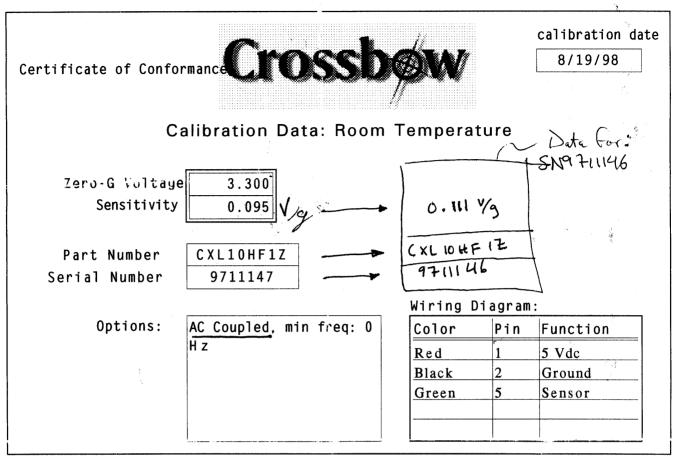
Technical Support

For further technical assistance, contact Crossbow Technology.

Crossbow Technology, Inc. 41 East Daggett Drive San Jose, CA 95134

Phone: 408.965.3300 Fax: 408.324.4840

URL: http://www.xbow.com Email: info@xbow.com



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41 East Daggett Drive

Certificate of Conformance



calibration date

04/04/2005

Calibration Data: Room Temperature

Zero-G Voltage

Sensitivity

2.430 0.090

Part Number

CXL10HF1Z

Serial Number

5010738

Options:

AC Coupled, min freq: 0.3 Hz

Wiring Diagram:

Color	Pin	Function
Red	1	6 - 30 Vdc
Black	2	Ground
Green	5	Sensor
		,

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