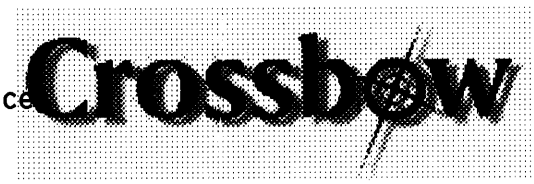
Certificate of Conformance 

calibration date: 8/19/98

Calibration Data: Room Temperature

Zero-G Voltage	2.507
Sensitivity	0.077

Part Number	CXL25M1Z
Serial Number	9711151

Options:
Regulator
DC Coupled

Wiring Diagram:

Color	Pin	Function
Red	1	8 - 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.

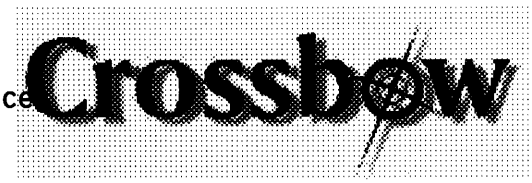
Calibration

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

Certificate of Conformance 

calibration date: 8/19/98

Calibration Data: Room Temperature

Zero-G Voltage	2.510
Sensitivity	0.077

Part Number	CXL25M1Z
Serial Number	9711150

Options:
Regulator
DC Coupled

Wiring Diagram:

Color	Pin	Function
Red	1	8 - 30 Vdc
Black	2	Ground
Green	5	Sensor

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