

Certificate of Conformance



2.11

calibration date

03/30/2001

### Calibration Data: Room Temperature

Zero-G Voltage

2.500

Sensitivity

0.097

Part Number

CXL10HF1Z

Serial Number

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](mailto:info@xbow.com)

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# Crossbow

calibration date

8/19/98

## Calibration Data: Room Temperature

Zero-G Voltage

3.300

Sensitivity

0.095

V/g

0.111 V/g

Part Number

CXL10HF1Z

Serial Number

9711147

CXL10HF1Z

9711146

Data For:  
SN 9711146

Options:

AC Coupled, min freq: 0  
Hz

### Wiring Diagram:

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Red	1	5 Vdc
Black	2	Ground
Green	5	Sensor

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# Crossbow

2.00

calibration date

04/04/2005

## Calibration Data: Room Temperature

Zero-G Voltage

2.430

Sensitivity

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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#### Definitions

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

#### Calibration

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