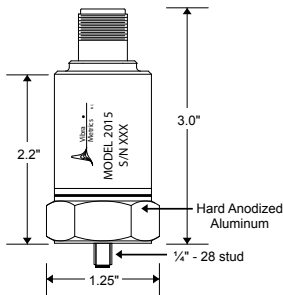


## Models 2015

### High Output Shear Design Accelerometer



#### DESCRIPTION AND FEATURES

The Model 2015 accelerometer was designed for industrial applications and low rpm machinery requiring very low frequency response and low noise levels combined with high sensitivity. It features a rugged top exit 2-pin mil-style connector, internal electrical isolation, and welded stainless steel construction.

This accelerometer is carefully designed to virtually eliminate undesirable output signals due to base strain, thermal transients and other low frequency phenomena. Each accelerometer is supplied with a removable 1/4-28 mounting stud. An optional 2-pin to BNC cable is available.

- 1500 mV/g
- Shear Mode Design
- Welded Hermetic Seal
- Ultra-Low Frequency
- 2-Pin MIL 5015 Connector

#### APPLICATIONS

- Low RPM Rollers/Machinery
- Bridges
- Buildings/Structures

#### OPERATING SPECIFICATIONS

##### Dynamic

Sensitivity @ 100 Hz, ± 10%	1500 mV/g
Frequency Range ± 5%	0.1 Hz - 300 Hz
Frequency Range ± 10%	0.07 Hz - 500 Hz
Frequency Range ± 3 dB	0.03 Hz - 1000 Hz
Turn-On Time	< 80 Seconds
Amplitude Range	± 5 g
Mounted Resonance	2.3 kHz
Transverse Sensitivity	< 5%

##### Electrical

Noise Broadband	2.5 Hz to 25 kHz 30 µg (Nom.)
Output Impedance	100 Ω
Isolation/Grounding	Isolated, > 100 Meg Ω
Bias (Volts)	10-14 VDC
Power Requirements	24-30 VDC
Current Regulating Diode	2-6 mA cc

##### Environmental

Temperature Range	-40 to 250°F / -40 to 121°C
Base Strain	0.001 g peak/µstrain
Shock Limit	500 g

##### Physical

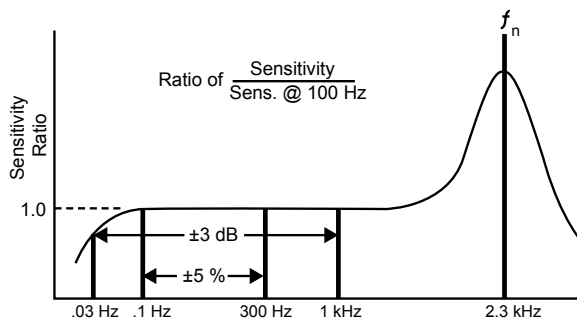
Dimensions	3" h x 1.25" diam. (7.6 x 3.2 cm)
Weight	230 grams
Case Material	304L Stainless Steel
Design	Piezoceramic Shear Seal
Mounting	Welded Hermetic Seal
Mounting Torque	1/4-28 Removable Stud
Cable/Connector	35 in-lb (40 cm-kg)
	Top 2-Pin MIL Style

#### ORDERING INFORMATION AND ACCESSORIES

Model 2015, Mfr. Part No. 2015-5015

##### Sensors include

- NIST Traceable Calibration
- Mounting Stud
- User Manual
- 1-Year Warranty



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