



Economy General Purpose Industrial Accelerometer

Features

- 100 mV/g
- Splashproof
- 2-Pin MIL style connector

Applications

- General Industrial
- Motors/Generators
- Pumps
- Gearboxes
- Rollers
- Experimental
- Fans/Cooling Towers
- Bearing Housings
- Compressors

Operating Specifications

Dynamic

Sensitivity @ 100Hz, ±10%	100 mV/g
Frequency Range	
±5%	5 Hz – 10 kHz
±10%	4 Hz – 12 kHz
±3dB	2 Hz – 20 kHz
Turn-on Time	≤ 0.5 seconds
Amplitude Range	±75 g peak
Mounted Resonance	>40 kHz
Transverse Sensitivity	≤5%
Amplitude Linearity	<1%

Electrical

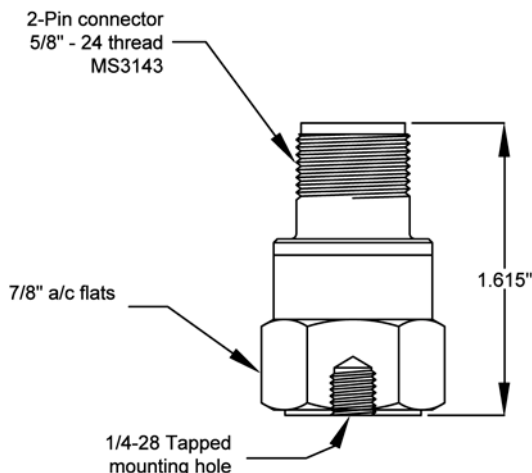
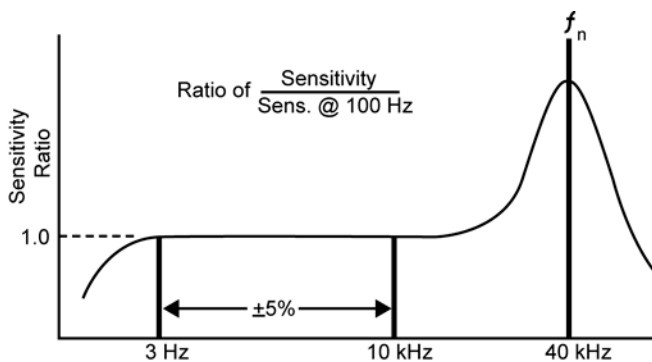
Noise (typical)	
Broadband	2.5 Hz to 20 kHz 350 µg
Spectral	10 Hz 30 µg/√Hz
	100 Hz 8 µg/√Hz
	1000 Hz 3 µg/√Hz
Output Impedance	100 Ω
Grounding	Isolated
Bias Volts	9 - 14 VDC
Power Requirements	24-30 VDC
Current Regulating Diode	1-6 mA cc

Environmental

Temperature Range	-40 to 250°F / -40 to 121°C
Base Strain (NOM)	.001 g peak/µstrain
Shock Limit	5000 g peak

Physical

Physical Dimensions	1.515" h x .875" across flats
Weight	68 grams
Case Material	Type 316L stainless steel
Design	Piezoelectric – ring shear
Seal	Welded - Hermetic
Mounting	¼-28 stud
Mounting Torque	25 in - lb. (2.8 N-m)



Ordering Information:

Model 6050	9357242
Power Supplies, 2 mA output, BNC/BNC, 24 VDC	
Model P5000 (rechargeable battery)	9356559
Model LP24-1B (110 VAC Line Input)	9356120
Cable, 2-Pin MIL/BNC 6' molded splashproof	9356686
Cable, 2-Pin MIL/Pigtail 6' high temperature	9354084
Cable, 2-Pin MIL/BNC 6' high temperature	9356381
Magnetic holder, 16 lb (for curved/flat surfaces)	9356809

Sensors include:

NIST Traceable Calibration, ¼-28 Mounting Stud, User Manual and 1-Year Warranty

For more information about Vibra-Metrics accelerometers, call us today at 609-716-4130, or visit us on-line at www.vibrametrics.com



195 Clarksville Road, Princeton Junction, NJ 08550 • Phone: 609-716-4130 • Fax: 609-716-0706
Email: sales@vibrametrics.com • Internet: www.vibrametrics.com

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