



High Temperature EEPE Charge-Type Accelerometer

Features

- 10 pC/g
- Compact size
- Broad frequency range
- Extended temperature operation

Applications

- Turbines
- Engines
- Furnaces
- Experimental
- Flue Gas Atomizers

Operating Specifications

Dynamic

Sensitivity @ 100 Hz, ±10%	10 pC/g	1.02 pC/(m/s ²)
Frequency Range	±5%	up to 5 kHz*
	±3 dB	up to 10 kHz*
Amplitude Range	±500 g	
Mounted Resonance	>20 kHz typical	
Transverse Sensitivity	<5%	
Amplitude Linearity	<2%	

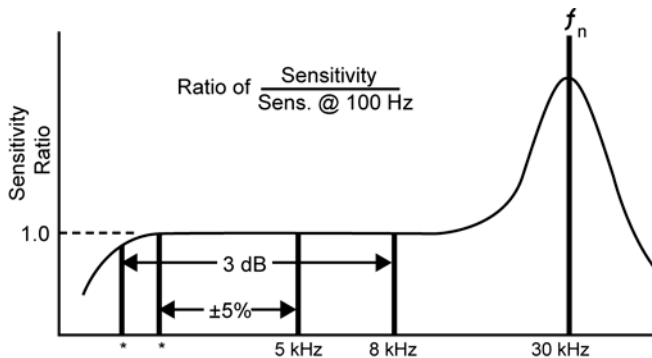
Environmental

Operating Temperature Range:	-40 to 900°F	-40 to 482°C
Base Strain	.005 g peak/μstrain	
Shock Limit	2000 g	

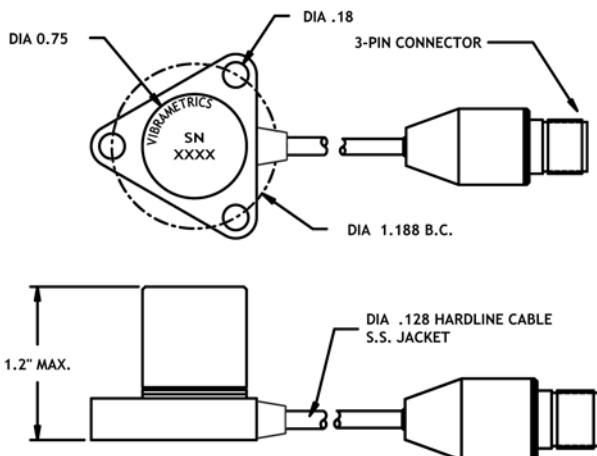
Physical

Physical Dimensions	See Outline Drawing
Weight	70 grams including 6 foot hard-line cable
Case/Base Material	Inconel
Design	Compression
Mounting	Standard ARINC, 3-point mounting
Mounting Torque	20 in-lb (2.2 N-m)
Cable	6 foot hard-line cable (1" min bend radius)
*Connector	Hermetic 3-pin (MIL 5015)

*Connector Maximum Operating Temperature: 500°F



* Low frequency response depends on charge amplifier used.



Ordering Information:

Model 4002	4002-5015
Cable	Contact Factory
Charge Amp.....	9357-xxxx

Sensors include:

NIST Traceable Calibration, User Manual, 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



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