

FM Approved High Temperature EEPE Charge-Type Accelerometer

Features

- 20-25 pC/g
- FM Approved for Class I Groups A, B, C, D
- Extended temperature operation

Applications

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

Operating Specifications

Dynamic

Sensitivity @ 100 Hz	20-25 pC/g
Frequency Range	
±5%	* to 3 kHz
±3 dB	* to 5 kHz
Amplitude Range ±500 g	
Mounted Resonance	>10 kHz typical
Transverse Sensitivity	<5%
Amplitude Linearity	<2%

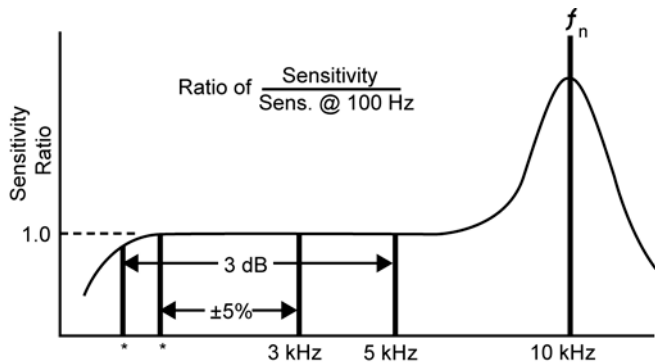
* low frequency response depends on charge amplifier

Environmental

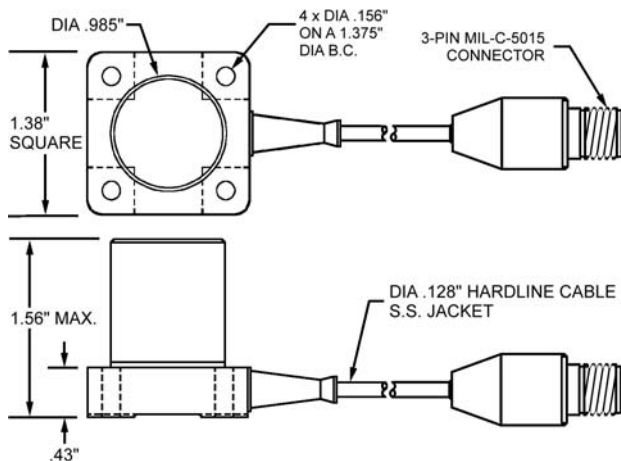
Operating Temperature Range:		
Accelerometer	-40 to 550°F	-40 to 288°C
Connector	-40 to 450°F	-40 to 232°C
Base Strain	.005 g peak/μstrain	
Shock Limit	5000 g	

Physical

Physical Dimensions	See Outline Drawing
Weight	90 grams including 6 foot hard-line cable
Case/Base Material	Inconel
Design	Compression
Mounting	4-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)



* Low frequency response depends on charge amplifier used.



Ordering Information:

Model 4300 / UTC-100-200 9356316-006
 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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