

Premium, PiezoFET®, low profile IsoRing accelerometer

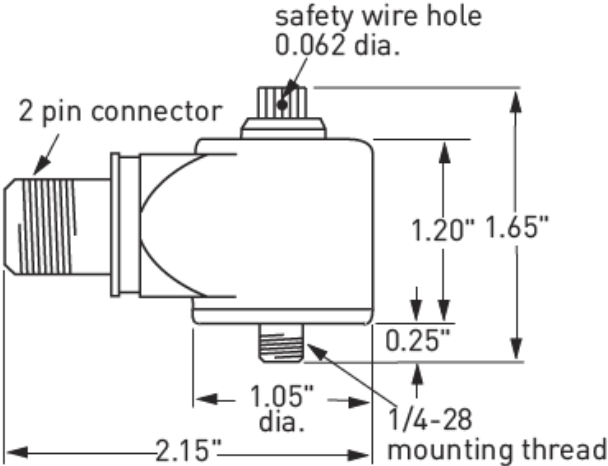
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Key features

- Rugged design
- Corrosion resistant
- Hermetically sealed
- Ground isolated
- ESD protection
- Reverse wiring protection
- Mounts in any orientation

Certifications



Connections	
Function	Connector pin
power/signal	A
common	B
ground	shell

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

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SPECIFICATIONS

Sensitivity, ±5%, 25° C	100 mV/g
Acceleration range, VDC > 25V	80 g peak
Amplitude nonlinearity	1%
Frequency response:	
± 5%	3 - 5,000 Hz
± 10%	2 - 7,000 Hz
± 3 dB	1 - 12,000 Hz
Resonance frequency	26 kHz
Transverse sensitivity, max	5% of axial
Temperature response:	
-50° C	-15%
+120° C	+15%
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g:	
Broadband	2.5 Hz to 25 kHz
Spectral	10 Hz
	100 Hz
	1,000 Hz
	600 µg
	8 µg/√Hz
	5 µg/√Hz
	5 µg/√Hz
Output impedance, max	100 Ω
Bias output voltage	12 VDC
Grounding	case isolated, internally shielded
Temperature range	-50 to +120° C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Sealing	hermetic
Base strain sensitivity	0.002 g/µstrain
Sensing element design	PZT / shear
Weight	138 grams
Case material	316L stainless steel
Mounting	1/4-28 captive socket head screw
Output connector	2 pin, MIL-C-5015 style
Mating connector	R6 type
Recommended cabling	J10 / J9T2A

Contact

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Accessories supplied:

- Calibration data (level 3)
- #12105-01 captive socket head (metric stud available upon request)

Options: Intrinsic safety certifications (consult factory)

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