

Industrial Accelerometer

DYNAMIC PERFORMANCE

Sensitivity ($\pm 5\%$ @ 25°C)	100 mV/g (10.2 mV/m/s ²)
Measurement Range	± 80 g (± 785 m/s ²)
Frequency Range ($\pm 5\%$)	3 to 5000 Hz (180 to 300,000 cpm)
($\pm 10\%$)	2 to 7000 Hz (120 to 420,000 cpm)
(± 3 dB)	1 to 12000 Hz (30 to 720,000 cpm)
Mounted Resonant Frequency	26 kHz nominal
Amplitude Nonlinearity	1%
Transverse Sensitivity	$\leq 5\%$

ENVIRONMENTAL

Shock Limit	5000 g pk (49050 m/s ²)
Temperature Range	-50 to 120° C (-58 to 248° F)
Temperature Response	-15% @ -50°C, +15% @ 120°C
Sealing / Rating	Hermetic
Agency Ratings	CE 0518 ATEX II 1G, I M1 IECEX SIR 07.0032X, Sira 07ATEX2128X Ga Ex ia IIC T4 (Ta -20°C to +50°C) Ma Ex ia I (Ta 0°C to +50°C)

ELECTRICAL

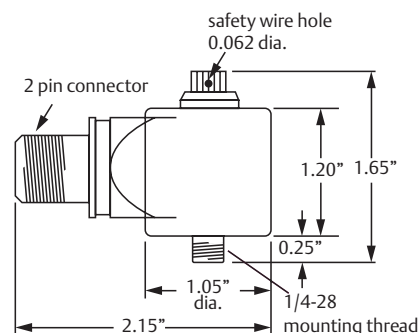
Excitation Voltage/Current	18 to 30 VDC/2 to 10 mA
Output Impedance	<100 ohms
Output Bias	12 VDC nominal
Broadband Resolution (2.5 to 25 KHz)	600 μ g (5883 μ m/s ²) electrical noise
Grounding	Case isolated, Internally shielded

MECHANICAL

Weight	138 grams nominal (4.86 oz)
Mounting Thread	1/4-28 UNF
Mounting Torque	8 Nm (5.9 lb ft)
Sensor Element/Geometry	PZT Ceramic/Shear
Case Material	316L Stainless Steel
Connector Type (Side)	MIL-C-5015, 2 Pin

SUPPLIED ACCESSORIES

Multi Point Calibration	
1/4-28 Mounting Stud	



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