

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 ($\pm 5\%$)	1.5 to 5000 Hz (90 to 300,000 cpm)
($\pm 10\%$)	1.0 to 7000 Hz (60 to 420,000 cpm)
(± 3 dB)	0.50 to 15000 Hz (30 to 900,000 cpm)
Mounted Resonant Frequency	25 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, +20% @ 120°C
Sealing	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

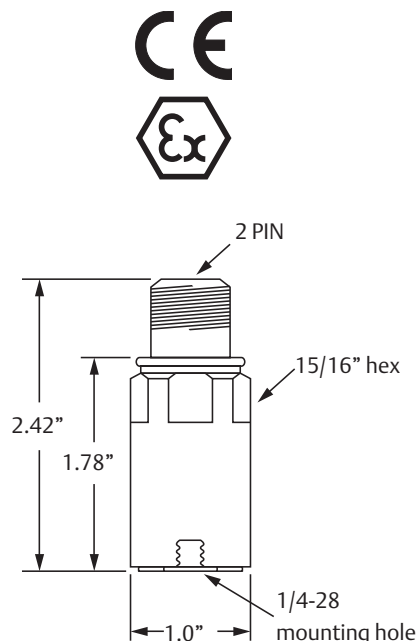
Excitation Voltage/Current	18 to 30 VDC/2 to 10 mA
Output Impedance	<100 ohms
Output Bias	12 VDC nominal
Broadband Resolution (2.5 to 25 KHz)	600 μ g (5886 μ m/s ²) electrical noise
Grounding	Case isolated, Internally shielded

MECHANICAL

Weight	112 grams nominal (3.95 oz)
Mounting Thread	1/4-28 UNF
Mounting Torque	8 Nm (5.9 lb ft)
Sensor Element/Geometry	PZT Ceramic/Compression
Case Material	316L Stainless Steel
Connector Type (Top)	MIL-C-5015, 2 Pin

SUPPLIED ACCESSORIES

Multi Point Calibration	
1/4-28 Mounting Stud	



Emerson Process Management
Asset Optimization
835 Innovation Drive
Knoxville, TN 37932
T (865)675-2400
F (865)218-1401

©2014, Emerson Process Management.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

All rights reserved. AMS, PeakVue, and Machinery Health are marks of one of the Emerson Process Management group of companies. The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their respective owners.