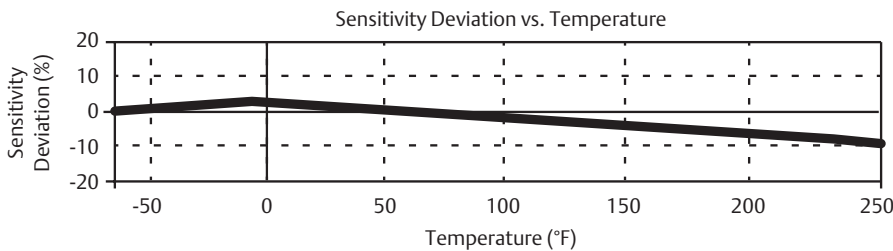
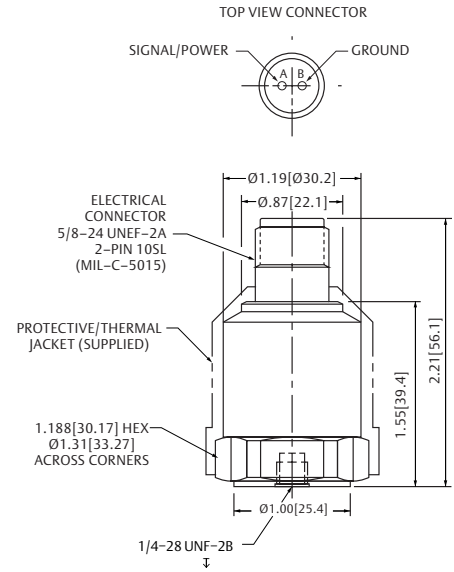


Velocity Sensor

Dynamic Performance	
Sensitivity ($\pm 10\%$)	100 mV/in/s (3,937 mV/m/s)
Measurement Range	± 50 in/s (± 1.27 m/s)
Frequency Range:	2.0 to 2,500 Hz (120 to 150,000 cpm)
	($\pm 10\%$) (± 3 dB) 1.5 to 6,000 Hz (90 to 360,000 cpm)
Mounted Resonant Frequency	10 kHz Nominal
Amplitude Linearity	$\pm 1\%$ (0 Based, Least Squares, Straight Line)
Transverse Sensitivity	$\leq 7\%$
Environmental	
Shock Limit	5,000g pk (49,050 m/s ²)
Temperature Range	-54 to 121°C (-65 to 250°F)
Temperature Response	See Graph
Sealing	IP68 / Welded Hermetic
Electrical	
Settling Time	30 sec (Within 1% of Bias)
Excitation Voltage / Current	18 to 28 VDC / 2 to 20 mA
Output Impedance	<100 ohms
Output Bias	8 to 14 VDC
Broadband Resolution (1 to 10 KHz)	100 μ in/s (2.5 μ m/s) Electrical Noise
Case Isolation	>10 ⁸ ohms
Protection	RFI/ESD
Supplied Accessories	
Three Point Calibration	
1/4-28 Mounting Stud	



Mechanical	
Weight	210 grams (7.4 oz)
Mounting Thread	¼-28 UNF
Mounting Torque	2.7 to 6.8 Nm (2 to 5 lb ft)
Sensor Element / Geometry	Ceramic / Shear
Case Material	Stainless Steel
Connector Type (Side)	MIL-C-5015, 2 Pin

Emerson
Reliability Solutions
835 Innovation Drive
Knoxville, TN 37932 USA
☎ +1 865 675 2400

🌐 www.emerson.com/ams

©2017, Emerson. All rights reserved.

The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their respective owners.

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.