

Model Number EX640B71		LOOP POWERED, CURRENT OUTPUT, INDUSTRIAL VIBRATION SENSOR		Revision: D ECN #: 56897	
Performance		ENGLISH		SI	
Measurement Range		0.0 to 1 in/sec pk		0.0 to 25.4 mm/s pk [1]	
Output		4-20 mA		4-20 mA	
Frequency Range(± 3 dB)		180 to 60,000 cpm		3 to 1,000 Hz [2][3]	
Broadband Resolution		0.005 in/sec pk		0.13 mm/s pk [4]	
Non-Linearity		± 1 %		± 1 %	
Environmental					
Temperature Range		-40 to 176 °F		-40 to 80 °C	
Electrical					
Excitation Voltage		12 to 30 VDC		12 to 30 VDC	
Settling Time(within 2% of value)		< 15 sec		< 15 sec	
Electrical Isolation(Case)		> 10 ⁸ Ohm		> 10 ⁸ Ohm	
Physical					
Size (Hex x Height)		3.85 in x 5.52 in		98 mm x 140 mm	
Weight		1.2 lb		544 gm	
Mounting Thread		1/4 NPT		No Metric Equivalent	
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Stainless Steel		Stainless Steel	
Electrical Connector		Removable Screw Terminals		Removable Screw Terminals	
Electrical Connection Position		Top		Top	
Electrical Connections(Tab 1)		4-20 mA Pos (+)		4-20 mA Pos (+)	
Electrical Connections(Tab 2)		4-20 mA Neg (-)		4-20 mA Neg (-)	
Screw Terminal Wire Size		12-24 AWG		3.0 - .2mm ²	
OPTIONAL VERSIONS					
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.					
EX - Hazardous Area Approval- contact factory for specific approvals					
RV - Buffered Analog Signal Output - 100 mV/g (±20%)					
Electrical Connector		3-Pin MIL-C-5015		3-Pin MIL-C-5015	
Electrical Connections		4-20 mA Neg/Signal Output		4-20 mA Neg/Signal Output	
Electrical Connections		Neg Signal Output Pos		Neg Signal Output Pos	
NOTES:					
[1]Conversion Factor 1 in/sec = 0.0254 m/sec.					
[2]Current will fluctuate at frequencies below 5 Hz.					
[3]1Hz = 60 cpm (cycles per minute).					
[4]Typical.					
[5]See PCB Declaration of Conformance PS039 or PS053 for details.					
[6]See Model's "Instructions For Use" (IFU) for North American Conformity and Certification Statements.					
SUPPLIED ACCESSORIES:					
Model ICS-4 NIST-traceable single-axis amplitude response calibration from 0 cpm (0 Hz) to upper 10% frequency for 4 - 20 mA output vibration sensor (1)					
Entered: ND		Engineer: gs		Sales: JL	
Date: 09/18/2026		Date: 09/18/2026		Date: 09/18/2026	
Approved: BAM		Spec Number:		33882	
Date: 09/18/2026		Date: 09/18/2026		Date: 09/18/2026	
					
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