

Model Number EX640B72		LOOP POWERED, CURRENT OUTPUT, INDUSTRIAL VIBRATION SENSOR			Revision: D ECN #: 56897	
Performance		ENGLISH	SI	OPTIONAL VERSIONS		
Measurement Range		0.0 to 2.0 in/sec pk	0.0 to 50.8 mm/s pk	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		
Output		4-20 mA	4-20 mA	EX - Hazardous Area Approval- contact factory for specific approvals		
Frequency Range(± 3 dB)		180 to 60,000 cpm	3 to 1,000 Hz	RV - Buffered Analog Signal Output - 100 mV/g (±20%)		
Broadband Resolution		0.01 in/sec pk	0.26 mm/s pk	Electrical Connector 3-Pin MIL-C-5015 3-Pin MIL-C-5015		
Non-Linearity		± 1 %	± 1 %	Electrical Connections 4-20 mA Neg/Signal Output 4-20 mA Neg/Signal Output		
Environmental				Electrical Connections Neg Signal Output Pos Neg Signal Output Pos		
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			
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:		
				34480		
						
		3425 Walden Avenue, Depew, NY 14043				
All specifications are at room temperature unless otherwise specified.		Phone: 800-959-4464				
In the interest of constant product improvement, we reserve the right to change specifications without notice.		Fax: 716-684-3823				
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