

Model Number EX641B72		LOOP POWERED, CURRENT OUTPUT, INDUSTRIAL VIBRATION SENSOR		Revision: C ECN #: 56897	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Measurement Range		0.0 to 2.0 in/sec rms	0.0 to 50.8 mm/s rms	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)		600 to 60,000 cpm	10 to 1,000 Hz	Hazardous Area Approval	
Broadband Resolution		0.01 in/sec rms	0.26 mm/s rms	40°C±Ta±80°C, II 1 G	
Non-Linearity		± 1 %	± 1 %	Ex ia IIC T4, -	
Environmental				Ex nA IIC T4, -	
Temperature Range		-40 to 176 °F	-40 to 80 °C	40°C±Ta±80°C, II 3 G	
Electrical				DIV I, CL I, II, III, GRPS A-G, Exia, AExia, IIC T4	
Excitation Voltage		12 to 30 VDC	12 to 30 VDC	RV - Buffered Analog Signal Output - 100 mV/g	
Settling Time(within 2% of value)		< 15 sec	< 15 sec	(±20%)	
Electrical Isolation(Case)		> 10 ⁸ Ohm	> 10 ⁸ Ohm	Electrical Connector	
Physical				Electrical Connections	
Size (Hex x Height)		3.85 in x 5.52 in	98 mm x 140 mm	3-Pin MIL-C-5015	
Weight		1.2 lb	544 gm	4-20 mA Neg/Signal Output	
Mounting Thread		1/4 NPT	No Metric Equivalent	Neg	
Sensing Element		Ceramic	Ceramic	Signal Output Pos	
Sensing Geometry		Shear	Shear	3-Pin MIL-C-5015	
Housing Material		Stainless Steel	Stainless Steel	4-20 mA Neg/Signal Output	
Electrical Connector		Removable Screw Terminals	Removable Screw Terminals	Neg	
Electrical Connection Position		Top	Top	Signal Output Pos	
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:	
				36039	
					
All specifications are at room temperature unless otherwise specified.		In the interest of constant product improvement, we reserve the right to change specifications without notice.		Phone: 800-959-4464	
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