

Model Number EX641B71		LOOP POWERED, CURRENT OUTPUT, INDUSTRIAL VIBRATION SENSOR		Revision: D ECN #: 56897	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Measurement Range		0.0 to 1 in/sec rms	0.0 to 25.4 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	RV - Buffered Analog Signal Output - 100 mV/g (±20%)	
Broadband Resolution		0.005 in/sec rms	0.13 mm/s rms	Electrical Connector 3-Pin MIL-C-5015	
Non-Linearity		± 1 %	± 1 %	Electrical Connections 4-20 mA Neg/Signal Output	
Environmental				Neg	
Temperature Range		-40 to 176 °F	-40 to 80 °C	Signal Output Pos	
Electrical				Signal Output Pos	
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:	
				33800	
					
		Phone: 800-959-4464			
Intertek [6]		Fax: 716-684-3823			
All specifications are at room temperature unless otherwise specified.		E-Mail: imi@pcb.com			
In the interest of constant product improvement, we reserve the right to change specifications without notice.		3425 Walden Avenue, Depew, NY 14043			
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