

Model Number EX649A71		RECIPROCATING MACHINERY PROTECTOR			Revision: G ECN #: 56936	
Performance		ENGLISH		SI		
Output		4-20 mA		4-20 mA		
Machinery RPM Range		240 to 10,000 cpm		4 to 166 Hz [1][2]		
Time Window		0.1 to 4.0 sec		0.1 to 4.0 sec [2]		
Weighting Factor		0.2 to 16 mA		0.2 to 16 mA [2]		
Trending Range Current		4 to 20 mA		4 to 20 mA [2]		
Threshold Level		2 to 50 g		2 to 50 g		
Environmental						
Temperature Range		-40 to 212 °F		-40 to 100 °C		
Storage Temperature Range		-40 to 257 °F		-40 to 125 °C		
Electrical						
Excitation Voltage		15 to 30 VDC		15 to 30 VDC		
Load Resistance		50(Vs-15) Ohm		50(Vs-15) Ohm		
Electrical Isolation		> 10^8 Ohm		> 10^8 Ohm		
Physical						
Size (Height x Width)		5.8 in x 3.85 in		147 mm x 98 mm		
Weight		1.1 lb		500 gm		
Mounting Thread		1/4 NPT		1/4 NPT		
Sensing Element		Piezoelectric Accelerometer		Piezoelectric Accelerometer		
Housing Material		Stainless Steel		Stainless Steel		
Sealing		Welded Hermetic		Welded Hermetic		
Electrical Connection Position		Top		Top		
Electrical Connections(Pin A)		4-20 mA Pos (+)		4-20 mA Pos (+)		
Electrical Connections(Pin B)		4-20 mA Neg (-)		4-20 mA Neg (-)		
Overload Limit (Shock)		5,000 g pk		49,050 m/s² pk		
Screw Terminal Wire Size		12-24 AWG		3.0 - .2mm²		
Conduit Housing Thread		1" NPT Female		Not Applicable		
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.						
NOTES:						
[1]1Hz = 60 cpm (cycles per minute).						
[2]USB Programmable						
[3]See PCB Declaration of Conformance PS039 or PS071 for details.						
[4]See Model's "Instructions For Use" (IFU) for North American Conformity and Certification Statements.						