

Model Number 642A01		4-20 MA OUTPUT VELOCITY SENSOR			Revision C ECN #: 25572	
Performance Measurement Range Output Frequency Range (±10 %) Broadband Resolution Non-Linearity Environmental Temperature Range Electrical Excitation Voltage Load Resistance Settling Time (within 2% of value) Electrical Isolation (Case) Physical Size (Hex x Height) Weight Mounting Thread Mounting Torque Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position Electrical Connections (Pin A) Electrical Connections (Pin B)	ENGLISH		SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) EX - Hazardous Area Approval- contact factory for specific approvals Hazardous Area Approval Hazardous Area Approval Hazardous Area Approval Hazardous Area Approval M - Metric Mount Supplied Accessory: Model M080A163 Mounting pad 3/4-16 to M6 x 1 (for Models 607A01 and 608A11) replaces Model 080A162 RV - Buffered Analog Signal Output - 100 mV/g (±20%) Electrical Connector Electrical Connections (Pin A) Electrical Connections (Pin B) Electrical Connections (Pin C) Notes [1] Conversion Factor 1 in/sec = 0.0254 m/sec. [2] 1Hz = 60 cpm (cycles per minute). [3] Current will fluctuate at frequencies below 5 Hz. [4] Typical value. [5] See PCB Declaration of Conformance PS039 or PS053 for details. Supplied Accessories 080A162 Mounting Stud (1) 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)		
	0.0 to 1.0 in/sec pk	0.0 to 25.4 mm/s pk	[1]			
	4-20 mA	4-20 mA				
	180 to 60000 cpm	3 to 1 kHz	[2][3]			
	0.005 in/sec pk	0.13 mm/s pk	[4]			
	±1 %	±1 %				
	-40 to 185 °F	-40 to 85 °C				
	12 to 30 VDC	12 to 30 VDC				
	50 (Vs-12) ohms	50 (Vs-12) ohms				
	<15 sec	<15 sec				
	>10 ⁸ Ohm	>10 ⁸ Ohm				
	7/8 in x 1.41 in	22.2 mm x 35.8 mm				
	3.8 oz	108 gm				
	1/4-28 UNF	1/4-28 UNF				
	3 to 5 ft-lb	4 to 7 Nm				
	Ceramic	Ceramic				
	Shear	Shear				
	Stainless Steel	Stainless Steel				
	Welded Hermetic	Welded Hermetic				
	2-Pin MIL-C-5015	2-Pin MIL-C-5015				
	Side	Side				
	4-20 mA Pos (+)	4-20 mA Pos (+)				
	4-20 mA Neg (-)	4-20 mA Neg (-)				
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. ICP® is a registered trademark of PCB group, Inc.						
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				Spec Number: 26010		