

Model Number 642A01		4-20 MA OUTPUT VELOCITY SENSOR			Revision: D ECN #: 43341										
Performance		ENGLISH		SI											
Measurement Range		0.0 to 1.0 in/sec pk		0.0 to 25.4 mm/s pk											
Output		4-20 mA		4-20 mA											
Frequency Range(± 10 %)		180 to 60,000 cpm		3 to 1 kHz											
Broadband Resolution		0.005 in/sec pk		0.13 mm/s pk											
Non-Linearity		± 1 %		± 1 %											
Environmental		ENGLISH		SI											
Temperature Range		-40 to 185 °F		-40 to 85 °C											
Electrical		ENGLISH		SI											
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		ENGLISH		SI											
Size (Hex x Height)		7/8 in x 1.41 in		22.2 mm x 35.8 mm											
Weight		3.8 oz		108 gm											
Mounting Thread		1/4-28 UNF		1/4-28 UNF											
Mounting Torque(Stud)		3 to 4 ft-lb		4.1 to 5.4 Nm											
Mounting Torque(hex nut)		2 to 3 ft-lb		2.7 to 4.1 Nm											
Sensing Element		Ceramic		Ceramic											
Sensing Geometry		Shear		Shear											
Housing Material		Stainless Steel		Stainless Steel											
Sealing		Welded Hermetic		Welded Hermetic											
Electrical Connector		2-Pin MIL-C-5015		2-Pin MIL-C-5015											
Electrical Connection Position		Side		Side											
Electrical Connections(Pin A)		4-20 mA Pos (+)		4-20 mA Pos (+)											
Electrical Connections(Pin B)		4-20 mA Neg (-)		4-20 mA Neg (-)											
															
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.															
<table><tr><td>Entered: AP</td><td>Engineer: DK</td><td>Sales: EGY</td><td>Approved: BAM</td><td>Spec Number:</td></tr><tr><td>Date: 10/10/2014</td><td>Date: 10/10/2014</td><td>Date: 10/10/2014</td><td>Date: 10/10/2014</td><td>26010</td></tr></table>						Entered: AP	Engineer: DK	Sales: EGY	Approved: BAM	Spec Number:	Date: 10/10/2014	Date: 10/10/2014	Date: 10/10/2014	Date: 10/10/2014	26010
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<table><tr><td colspan="2"> IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043</td><td colspan="2">Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com</td></tr></table>						 IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043		Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com							
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