

Model Number 640B00	4-20 MA OUTPUT VELOCITY SENSOR				Revision NR ECN #:
Performance	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.)		
Measurement Range	0.0 to 0.5 in/sec pk	0.0 to 12.7 mm/s pk	[1]		
Output	4-20 mA	4-20 mA			
Frequency Range (±10 %)	180 to 60000 cpm	3 to 1 kHz	[2][3]		
Broadband Resolution	0.005 in/sec pk	0.13 mm/s pk	[4]		
Non-Linearity	±1 %	±1 %			
Environmental					
Temperature Range	-40 to 185 °F	-40 to 85 °C			
Electrical					
Excitation Voltage	12 to 30 VDC	12 to 30 VDC			
Load Resistance	50 (Vs-12) ohms	50 (Vs-12) ohms			
Settling Time (within 2% of value)	<15 sec	<15 sec			
Electrical Isolation (Case)	>10 ⁸ Ohm	>10 ⁸ Ohm			
Physical					
Size (Hex x Height)	1.0 in x 2.6 in	25.4 mm x 66 mm			
Weight	4.7 oz	131 gm			
Mounting Thread	1/4-28 UNF	No Metric Equivalent			
Mounting Torque	3 to 5 ft-lb	4 to 7 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	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 (-)			
 [5] 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.					
Entered: DPS Date: 08/06/2004 Engineer: NJF Date: 08/10/2004 Spec Number: 27201  A PCB PIEZOTRONICS DIV. 3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 716-684-0003 Fax: 716-684-3823 E-mail: imi@pcb.com Web site: www.imi-sensors.com					