

Model Number 640B00		4-20 MA OUTPUT VELOCITY SENSOR				Revision: A ECN #: 49753	
<b>Performance</b>		<b>ENGLISH</b>		<b>SI</b>		<b>OPTIONAL VERSIONS</b>	
Measurement Range		0.0 to 0.5 in/sec pk		0.0 to 12.7 mm/s pk		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		<b>M</b> - Metric Mount	
Frequency Range(± 10 %)		180 to 60 kcpm		3 to 1 kHz		Supplied Accessory: Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)	
Broadband Resolution		0.005 in/sec pk		0.13 mm/s pk		<b>RV</b> - Buffered Analog Signal Output - 100 mV/g (±20%)	
Non-Linearity		± 1 %		± 1 %		Electrical Connector	
<b>Environmental</b>						Electrical Connections	
Temperature Range		-40 to 185 °F		-40 to 85 °C		3-Pin MIL-C-5015	
Enclosure Rating		IP68		IP68		4-20 mA Pos (+)	
<b>Electrical</b>						Electrical Connections	
Excitation Voltage		12 to 30 VDC		12 to 30 VDC		4-20 mA Neg/Signal Output	
Load Resistance		50 (Vs-12) ohms		50 (Vs-12) ohms		Neg	
Settling Time(within 2% of value)		< 15 sec		< 15 sec		Signal Output Pos	
Electrical Isolation(Case)		> 10 <sup>8</sup> Ohm		> 10 <sup>8</sup> Ohm		Signal Output Pos	
<b>Physical</b>							
Size - Hex		1.0 in		25.4 mm			
Size - Height		2.6 in		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 (-)			
							