Model Number 642A62	4	I-20 MA OU1	ΓΡυτ ν	ELOCITY SENSOR	Revision: A ECN #: 51736
Performance	ENGLISH	SI		OPTIONAL VERSION	S
Measurement Range	0.0 to 2 in/sec pk	0 to 50.8 mm/s pk	[1]	Optional versions have identical specifications and accessories a	as listed for the standard model except
Output	4-20 mA	4-20 mA		where noted below. More than one optic	on may be used. [8
Frequency Range(± 10 %)	180 to 60,000 cpm	3 to 1 kHz	[2][3]	EX - Hazardous Area Approval- contact factory for	-
Broadband Resolution	0.01 in/sec rms	0.26 mm/s rms	[4]	specific approvals	
Non-Linearity	± 1 %	±1%		M - Metric Mount Supplied Accessory: Model M080A163A (1) replaces Model 0	201102
Environmental Temperature Range	-40 to 185 °F	-40 to 85 ℃		Supplied Accessory: Model M080A163A (1) replaces Model 0.	80A162
Electrical 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					
Size (Hex x Height)	7/8 in x 1.41 in	22.2 mm x 35.8 mm			
Weight(without cable)	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	[5][6]		
Mounting Torque(hex nut)	2 to 3 ft-lb	2.7 to 4.1 Nm			
Sensing Element	Ceramic	Ceramic			
Sensing Geometry	Shear Steinless Steel	Shear Staiplass Staal			
Housing Material	Stainless Steel Welded Hermetic	Stainless Steel Welded Hermetic			
Sealing Electrical Connector	Integral Armored Cable	Integral Armored Cable			
Electrical Connection Position	Side	Side			
Cable Termination	Blunt cut	Blunt cut			
Electrical Connections(Red)	4-20 mA Pos (+)	4-20 mA Pos (+)			
Electrical Connections(Blue)	4-20 mA Neg (-)	4-20 mA Neg (-)			
Cable Length	10 ft	3.0 m			
Cable Type	Polyurethane	Polyurethane			
				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]1/8" hex Allen key required for English version, 3mm hex A [6]Stud torque must exceed sensor hex nut torque to ensure p [7]See PCB Declaration of Conformance PS039 or PS053 for c [8]EEx ia IIC T4.	proper dismantling.
C € [7]				SUPPLIED ACCESSORIES: Model 080A162 Mounting Stud (1) Model ICS-4 NIST-traceable single-axis amplitude response ca 10% frequency for 4 - 20 mA output vibration sensor	alibration from 0 cpm (0 Hz) to upper
				Entered: ND Engineer: gs Sales: JL	Approved: BAM Spec Number:
				Date: 05/04/2021 Date: 05/04/2021 Date: 05/04/2021	Date: 05/04/2021 69460
All specifications are at room temperatu In the interest of constant product impro ICP [®] is a registered trademark of PCB P	wement, we reserve the right to ch	ange specifications without	notice.	Phone: 800 Fax: 716-68 E-Mail: imi@	4-3823