


	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.)
Performance				
Measurement Range (Vibration)	0.0 to 2.0 in/sec pk	0.0 to 50.8 mm/s pk	[2]	
Measurement Range (Temperature)	-40 to 257 °F	-40 to 125 °C	[1]	EX - Hazardous Area Approval- contact factory for specific approvals
Output	4-20 mA	4-20 mA		Hazardous Area Approval
Frequency Range (±10 %)	180 to 60000 cpm	3 to 1 kHz	[3][4]	DIV II, CL I, GRPS
Broadband Resolution	0.01 in/sec pk	0.26 mm/s pk	[5]	A-D, ExnL, A-D, ExnL, AExnA, IIC T4 AExnA, IIC T4
Non-Linearity	1 %	1 %		Hazardous Area Approval
Environmental				EEx ia IIC T4, - EEx ia IIC T4, - 40°C≤Ta≤80°C, II 1 40°C≤Ta≤80°C, II 1
Temperature Range	-40 to 185 °F	-40 to 85 °C	[1]	G G
Electrical				Hazardous Area Approval
Excitation Voltage	12 to 30 VDC	12 to 30 VDC		EEx nL IIC T4, - EEx nL IIC T4, - 40°C≤Ta≤80°C, II 3 40°C≤Ta≤80°C, II 3
Settling Time	<15 sec	<15 sec		G G
Electrical Isolation (Case)	>10 ⁹ Ohm	>10 ⁹ Ohm		Hazardous Area Approval
Physical				DIV I, CL I, II, III, DIV I, CL I, II, III, GRPS A-G, Exia, GRPS A-G, Exia, AExia, IIC T4 AExia, IIC T4
Size (Hex x Height)	1.00 in x 4.2 in	25.4 mm x 107 mm		
Weight (without cable)	4.7 oz	131 gm		
Mounting Thread	1/4-28 UNF	1/4-28 UNF		
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	Integral Armored Cable	Integral Armored Cable		
Electrical Connection Position	Top	Top		
Cable Termination	Pigtail Ends	Pigtail Ends		
Electrical Connections (Red)	Vibration, 4-20 mA Pos.	Vibration, 4-20 mA Pos.		
Electrical Connections (Black)	Vibration, 4-20 mA Neg.	Vibration, 4-20 mA Neg.		
Electrical Connections (White)	Temperature, 4-20 mA Pos.	Temperature, 4-20 mA Pos.		
Electrical Connections (Green)	Temperature, 4-20 mA Neg.	Temperature, 4-20 mA Neg.		
Cable Length	10 ft	3 m		
Cable Type	Polyurethane	Polyurethane		
				M - Metric Mount Supplied Accessory: Model M081A61 Mounting stud, 1/4-28 to M6 x 1 replaces Model 081A40
				Notes [1] Vibration 4-20mA output accuracy is limited to 185°F (85°C) [2] Conversion Factor 1 in/sec = 0.0254 m/sec. [3] 1Hz = 60 cpm (cycles per minute). [4] Current will fluctuate at frequencies below 5 Hz. [5] Typical value. [6] See PCB Declaration of Conformance PS039 or PS053 for details.
				Supplied Accessories 081A40 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 ()
				Entered: LLH Engineer: EGY Sales: NJF Approved: LLH Spec Number: Date: 07/09/2008 Date: 07/08/2008 Date: 07/08/2008 Date: 07/11/2008 35555
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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.
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