

Performance	ENGLISH	SI	
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]
Output	4-20 mA	4-20 mA	
Frequency Range (±10 %)	180 to 60000 cpm	3 to 1 kHz	[3][4]
Broadband Resolution	0.01 in/sec pk	0.26 mm/s pk	[5]
Non-Linearity	1 %	1 %	
Environmental			
Temperature Range	-40 to 185 °F	-40 to 85 °C	[1]
Electrical			
Excitation Voltage	12 to 30 VDC	12 to 30 VDC	
Settling Time	<15 sec	<15 sec	
Electrical Isolation (Case)	>10 ⁸ Ohm	>10 ⁸ Ohm	
Physical			
Size (Hex x Height)	1.00 in x 2.60 in	25.4 mm x 66.0 mm	
Weight	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	4-Pin Bayonet	4-Pin Bayonet	
Electrical Connection Position	Top	Top	
Electrical Connections (Pin A)	Vibration, 4-20 mA Pos.	Vibration, 4-20 mA Pos.	
Electrical Connections (Pin B)	Vibration, 4-20 mA Neg.	Vibration, 4-20 mA Neg.	
Electrical Connections (Pin C)	Temperature, 4-20 mA Pos.	Temperature, 4-20 mA Pos.	
Electrical Connections (Pin D)	Temperature, 4-20 mA Neg.	Temperature, 4-20 mA Neg.	

Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

EX - Hazardous Area Approval- contact factory for specific approvals

Hazardous Area Approval	EEx ia IIC T4, - 40°C≤Ta≤80°C, II 1 G	EEx ia IIC T4, - 40°C≤Ta≤80°C, II 1 G
Hazardous Area Approval	EEx nL IIC T4, - 40°C≤Ta≤80°C, II 3 G	EEx nL IIC T4, - 40°C≤Ta≤80°C, II 3 G
Hazardous Area Approval	DIV I, CL I, II, III, GRPS A-G, Exia, AExia, IIC T4	DIV I, CL I, II, III, GRPS A-G, Exia, AExia, IIC T4
Hazardous Area Approval	DIV II, CL I, GRPS A-D, ExnL, AExnA, IIC T4	DIV II, CL I, GRPS A-D, ExnL, AExnA, IIC T4

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 ()



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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