

	ENGLISH	SI	
Performance			
Measurement Range(Vibration)	0.0 to 1.0 in/s pk	0.0 to 25.4 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 60,000 cpm	3 to 1 kHz	[3][4]
Broadband Resolution	0.005 in/s pk	0.13 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 4.2 in	25.4 mm x 107 mm	
Weight(without cable)	4.7 oz	131 gm	
Mounting Thread	1/4-28 UNF	Not Applicable	
Mounting Torque	3 to 5 ft-lb	4 to 7 N-m	
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	

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

M - Metric Mount
 Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (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 for details.

SUPPLIED ACCESSORIES:

Model 081A40 Mounting Stud (1)
 Model 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: <i>[Signature]</i>	Engineer: <i>[Signature]</i>	Sales: <i>[Signature]</i>	Approved: <i>[Signature]</i>	Spec Number:
Date: <i>7-9-08</i>	Date: <i>7-8-08</i>	Date: <i>7-8-08</i>	Date: <i>7-8-08</i>	28578



*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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