Model Number

4-20 MA OUTPUT VELOCITY SENSOR

Revision: A ECN #: 49753

640B00	7 20 WA 00 11 0			
Performance	ENGLISH	SI		
Measurement Range	0.0 to 0.5 in/sec pk	0.0 to 12.7 mm/s pk	[1]	
Output	4-20 mA	4-20 mA		
Frequency Range(± 10 %)	180 to 60 kcpm	3 to 1 kHz	[2][3]	
Broadband Resolution	0.005 in/sec pk	0.13 mm/s pk	[4]	
Non-Linearity	± 1 %	± 1 %		
Environmental				
Temperature Range	-40 to 185 °F	-40 to 85 ℃		
Enclosure Rating	IP68	IP68		
Electrical				
Excitation Voltage	12 to 30 VDC	12 to 30 VDC		
Load Resistance	50 (Vs-12) ohms	50 (Vs-12) ohms		
Settling Time(within 2% of value)	< 15 sec	< 15 sec		
Electrical Isolation(Case)	> 10 ⁸ Ohm	> 10 ⁸ Ohm		
Physical				
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	Тор	Тор		
Electrical Connections(Pin A)	4-20 mA Pos (+)	4-20 mA Pos (+)		
Electrical Connections (Pin B)	4-20 mA Neg (-)	4-20 mA Neg (-)		

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)

RV - Buffered Analog Signal Output - 100 mV/g (±20%) Electrical Connector Electrical Connections 3-Pin MIL 4-20 mA

3-Pin MlL-C-5015 4-20 mA Pos (+) 4-20 mA Neg/Signal Output Neg Signal Output Pos

3-Pin MIL-C-5015 4-20 mA Pos (+) 4-20 mA Neg/Signal Output Neg Signal Output Pos

- [1]Conversion Factor 1 in/sec = 0.0254 m/sec.
- [2]Current will fluctuate at frequencies below 5 Hz.
- [3]1Hz = 60 cpm (cycles per minute).
- [5]See PCB Declaration of Conformance PS039 for details.

SUPPLIED ACCESSORIES:

Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)

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 (1)

Entered: LK	Engineer: NJF	Sales: MC	Approved: NJF	Spec Number:
Date: 07/24/2019	Date: 07/24/2019	Date: 07/24/2019	Date: 07/24/2019	27201



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