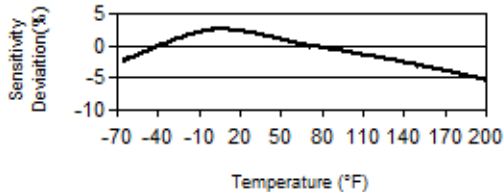


Model Number 66103PPZ1	INDUSTRIAL 3-WIRE ACCELEROMETER			Revision: A ECN #: 46956
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 20 %)	10 mV/g	1.02 mV/(m/s ²)	[2][3]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. HT - High temperature, extends normal operation temperatures Temperature Range(Operating) -65 to 250 °F -54 to 121 °C RH - RoHS Compliant
Measurement Range	± 200 g	± 2000 m/s ²	[4]	
Frequency Range(± 3 dB)	0.5 to 10k Hz	0.5 to 10k Hz	[5][6]	
Resonant Frequency	>25 kHz	>25 kHz	[6]	
Broadband Resolution	0.0049 g rms	0.048069 m/s ² rms	[1]	
Non-Linearity	≤ 1 %	≤ 1 %	[7]	
Transverse Sensitivity	≤ 7 %	≤ 7 %		
Environmental				
Overload Limit(Shock)	5000 g pk	49k m/s ² pk		
Temperature Range(Operating)	-65 to +185 °F	-54 to +85 °C		
Temperature Response	See Graph	See Graph	[1]	
Electrical				
Settling Time(within 1% of bias)	≤ 2.5 sec	≤ 2.5 sec		NOTES: [1] Typical. [2] Positive output along Z-axis (in upward direction when pin mounted). [3] Conversion Factor 1g = 9.81 m/s ² . [4] Measurement range achieved is dependent upon excitation voltage. [5] The high frequency tolerance is accurate within ±10% of the specified frequency. [6] Performance depends on mounting [7] Zero-based, least-squares, straight line method. [8] See PCB Declaration of Conformance PS023 or PS060 for details.
Discharge Time Constant	≥ 0.3 sec	≥ 0.3 sec		
Excitation Voltage	3 to 12 VDC	3 to 12 VDC		
Output Impedance	<100 Ohm	<100 Ohm		
Current Draw	0.75 mA	0.75 mA	[1]	
Output Bias Voltage(± 10 %)	0.5 x Excitation Voltage	0.5 x Excitation Voltage		
Spectral Noise(10 Hz)	103 µg/√Hz	1010 (µm/sec ²)/√Hz	[1]	
Spectral Noise(100 Hz)	56 µg/√Hz	549 (µm/sec ²)/√Hz	[1]	
Spectral Noise(1 kHz)	46 µg/√Hz	451 (µm/sec ²)/√Hz	[1]	
Physical				
Size (Lip Diameter x Height)	0.36 in x 0.26 in	9.1 mm x 6.6 mm		
Weight	0.08 oz	2.2 gm		
Mounting	Adhesive/Solder	Adhesive/Solder		
Sensing Element	Ceramic	Ceramic		
Sensing Geometry	Shear	Shear		
Housing Material	Stainless Steel	Stainless Steel		
Sealing	Welded Hermetic	Welded Hermetic		
Electrical Connector	Header Pins	Header Pins		
Electrical Connection Position	Bottom	Bottom		
Electrical Connections(Pin 1)	Acceleration Output	Acceleration Output		
Electrical Connections(Pin 2)	Neg (-) Ground	Neg (-) Ground		
Electrical Connections(Pin 3)	Pos (+) VDC	Pos (+) VDC		
 Typical Sensitivity Deviation vs Temperature 				
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.				
 Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com				
3425 Walden Avenue, Depew, NY 14043				
SUPPLIED ACCESSORIES: Model ICS-2 NIST-traceable single-point amplitude response calibration at 6000 cpm (100 Hz) for each axis (1)				
Entered: LK	Engineer: BAM	Sales: WDC	Approved: BAM	Spec Number:
Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	Date: 8/8/2017	56240