
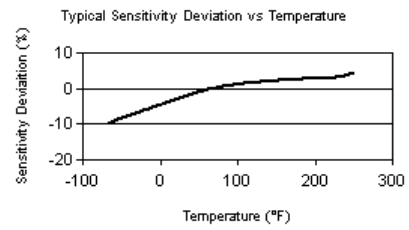


Model Number 629A61	<b>PRECISION TRIAXIAL INDUSTRIAL ICP® ACCELEROMETER</b>		Revision B ECN #: 14824										
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option may be used.) <b>LB</b> - Low Bias Voltage Output Bias Voltage                      6 to 8 VDC                      6 to 8 VDC Excitation Voltage                      12 to 28 VDC                      12 to 28 VDC Measurement Range                      ±35 g                      ±343 m/s <sup>2</sup> <b>M</b> - Metric Mount										
Measurement Range	±50 g	±490 m/s <sup>2</sup>											
Frequency Range (±5 %)	144 to 120000 cpm	2.4 to 2000 Hz	[2]										
Frequency Range (±10 %)	102 to 300000 cpm	1.7 to 5000 Hz											
Frequency Range (±3 dB)	48 to 480000 cpm	0.8 to 8000 Hz											
Resonant Frequency	1200 kcpm	20 kHz	[1]										
Broadband Resolution (1 to 10000 Hz)	100 µg	981 µm/sec <sup>2</sup>	[1]										
Non-Linearity	±1 %	±1 %	[3]										
Transverse Sensitivity	≤5 %	≤5 %											
<b>Environmental</b>			<b>Notes</b> [1] Typical. [2] The high frequency tolerance is accurate within ±10% of the specified frequency. [3] Zero-based, least-squares, straight line method. [4] 1/4-28 has no equivalent in S.I. units. [5] Stainless steel armor jacket over twisted shielded four conductor. [6] See PCB Declaration of Conformance PS023 for details.										
Overload Limit (Shock)	5000 g pk	49050 m/s <sup>2</sup> pk											
Temperature Range	-65 to +250 °F	-54 to +121 °C											
<b>Electrical</b>			<b>Supplied Accessories</b> 081A56 Captive mounting bolt 1/4-28 x .75" () ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency ()										
Settling Time (within 1% of bias)	≤3.0 sec	≤3.0 sec											
Discharge Time Constant	≥0.2 sec	≥0.2 sec											
Excitation Voltage	18 to 28 VDC	18 to 28 VDC											
Constant Current Excitation	2 to 20 mA	2 to 20 mA											
Output Impedance	<100 Ohm	<100 Ohm											
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC											
Spectral Noise (10 Hz)	7.0 µg/√Hz	68.7 (µm/sec <sup>2</sup> /√Hz	[1]										
Spectral Noise (100 Hz)	2.8 µg/√Hz	27.5 (µm/sec <sup>2</sup> /√Hz	[1]										
Spectral Noise (1 kHz)	1.0 µg/√Hz	9.8 (µm/sec <sup>2</sup> /√Hz	[1]										
Electrical Protection	RFI/ESD	RFI/ESD											
Electrical Isolation (Case)	>10 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm											
<b>Physical</b>													
Size (Length x Width x Height)	1.5 in x 1.5 in x 0.82 in	38.1 mm x 38.1 mm x 20.8 mm											
Weight (without cable)	4.9 oz	139 gm											
Mounting Thread	1/4-28 Male	Not Applicable	[4]										
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm											
Sensing Element	Ceramic	Ceramic											
Sensing Geometry	Shear	Shear											
Housing Material	Stainless Steel	Stainless Steel											
Sealing	Welded Hermetic	Welded Hermetic											
Electrical Connector	Integral Armored	Integral Armored											
	Cable	Cable											
Electrical Connection Position	Side	Side											
Electrical Connections (Red)	X axis	X axis											
Electrical Connections (Green)	Y axis	Y axis											
Electrical Connections (White)	Z axis	Z axis											
Electrical Connections (Black)	Ground	Ground											
Cable Length	10 ft	3.0 m											
Cable Type	Polyurethane	Polyurethane	[5]										
			<table border="1" data-bbox="1125 1149 2016 1222"> <tr> <td>Entered: MWS</td> <td>Engineer: NJF</td> <td></td> <td></td> <td>Spec Number:</td> </tr> <tr> <td>Date: 06/03/1999</td> <td>Date: 06/03/1999</td> <td></td> <td></td> <td><b>8318</b></td> </tr> </table> <div data-bbox="1136 1247 1528 1349">  </div> <div data-bbox="1570 1247 1877 1421"> <p>3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 716-684-0003 Fax: 716-684-3823 E-mail: imi@pcb.com Web site: www.imi-sensors.com</p> </div>	Entered: MWS	Engineer: NJF			Spec Number:	Date: 06/03/1999	Date: 06/03/1999			<b>8318</b>
Entered: MWS	Engineer: NJF			Spec Number:									
Date: 06/03/1999	Date: 06/03/1999			<b>8318</b>									



Represented in India by  
**Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com**  
 #4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029



*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.

ICP® is a registered trademark of PCB group, Inc.