
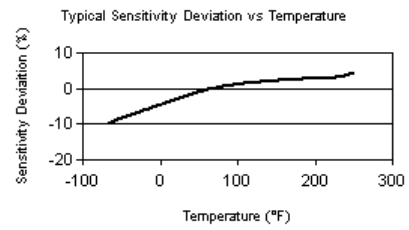


Model Number 629A61	<b>PRECISION TRIAXIAL INDUSTRIAL ICP® ACCELEROMETER</b>		Revision B ECN #: 14824										
<b>Performance</b> Measurement Range Frequency Range (±5 %) Frequency Range (±10 %) Frequency Range (±3 dB) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	<b>ENGLISH</b> ±50 g 144 to 120000 cpm 102 to 300000 cpm 48 to 480000 cpm 1200 kcpm 100 µg ±1 % ≤5 %	<b>SI</b> ±490 m/s <sup>2</sup> 2.4 to 2000 Hz 1.7 to 5000 Hz 0.8 to 8000 Hz 20 kHz 981 µm/sec <sup>2</sup> ±1 % ≤5 %	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe 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										
<b>Environmental</b> Overload Limit (Shock) Temperature Range	5000 g pk -65 to +250 °F	49050 m/s <sup>2</sup> pk -54 to +121 °C	<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.										
<b>Electrical</b> Settling Time (within 1% of bias) Discharge Time Constant Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz) Electrical Protection Electrical Isolation (Case)	≤3.0 sec ≥0.2 sec 18 to 28 VDC 2 to 20 mA <100 Ohm 8 to 12 VDC 7.0 µg/√Hz 2.8 µg/√Hz 1.0 µg/√Hz RFI/ESD >10 <sup>8</sup> Ohm	≤3.0 sec ≥0.2 sec 18 to 28 VDC 2 to 20 mA <100 Ohm 8 to 12 VDC 68.7 (µm/sec <sup>2</sup> /√Hz 27.5 (µm/sec <sup>2</sup> /√Hz 9.8 (µm/sec <sup>2</sup> /√Hz RFI/ESD >10 <sup>8</sup> Ohm	<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 ()										
<b>Physical</b> Size (Length x Width x Height)  Weight (without cable) Mounting Thread Mounting Torque Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector  Electrical Connection Position Electrical Connections (Red) Electrical Connections (Green) Electrical Connections (White) Electrical Connections (Black) Cable Length Cable Type	1.5 in x 1.5 in x 0.82 in 4.9 oz 1/4-28 Male 2 to 5 ft-lb Ceramic Shear Stainless Steel Welded Hermetic Integral Armored Cable Side X axis Y axis Z axis Ground 10 ft Polyurethane	38.1 mm x 38.1 mm x 20.8 mm 139 gm Not Applicable 2.7 to 6.8 Nm Ceramic Shear Stainless Steel Welded Hermetic Integral Armored Cable Side X axis Y axis Z axis Ground 3.0 m Polyurethane	[1] [1] [1] [4] [5]										
			<table border="1"> <tr> <td data-bbox="1129 1149 1318 1174">Entered: MWS</td> <td data-bbox="1318 1149 1486 1174">Engineer: NJF</td> <td data-bbox="1486 1149 1654 1174"></td> <td data-bbox="1654 1149 1843 1174"></td> <td data-bbox="1843 1149 2016 1174">Spec Number:</td> </tr> <tr> <td data-bbox="1129 1174 1318 1222">Date: 06/03/1999</td> <td data-bbox="1318 1174 1486 1222">Date: 06/03/1999</td> <td data-bbox="1486 1174 1654 1222"></td> <td data-bbox="1654 1174 1843 1222"></td> <td data-bbox="1843 1174 2016 1222"><b>8318</b></td> </tr> </table>	Entered: MWS	Engineer: NJF			Spec Number:	Date: 06/03/1999	Date: 06/03/1999			<b>8318</b>
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Date: 06/03/1999	Date: 06/03/1999			<b>8318</b>									
			 <p data-bbox="1570 1252 1879 1421">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>										



*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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