

Model Number	INDUSTRIAL ICP® ACCELEROMETER			Revision: F										
601A61				ECN #: 14824										
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b>											
Sensitivity (±20 %)	100 mV/g	10.2 mV/(m/s²)	[2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.										
Measurement Range	±50 g	± 490 m/s²												
Frequency Range (±3 dB)	16 to 600000 cpm	0.27 to 10000 Hz	[3]											
Resonant Frequency	960 kcpm	16 kHz	[1]											
Broadband Resolution (1 to 10000 Hz)	50 µg	491 µm/s²	[1]	<b>M</b> - Metric Mount										
Non-Linearity	±1 %	±1 %	[4]	Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1) replaces Model 081A40										
Transverse Sensitivity	≤7 %	≤7 %												
<b>Environmental</b>														
Overload Limit (Shock)	5000 g pk	49050 m/s² pk												
Temperature Range	-65 to +250 °F	-54 to +121 °C												
Enclosure Rating	IP68	IP68												
<b>Electrical</b>														
Settling Time (within 1% of bias)	≤4.0 sec	≤4.0 sec												
Discharge Time Constant	≥0.6 sec	≥0.6 sec												
Excitation Voltage	18 to 28 VDC	18 to 28 VDC												
Constant Current Excitation	2 to 20 mA	2 to 20 mA												
Output Impedance	<150 ohms	<150 ohms												
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC												
Spectral Noise (10 Hz)	3.2 µg/√Hz	31.0 (µm/s²)/√Hz	[1]											
Spectral Noise (100 Hz)	1.0 µg/√Hz	9.81 (µm/s²)/√Hz	[1]											
Spectral Noise (1 kHz)	0.7 µg/√Hz	6.94 (µm/s²)/√Hz	[1]											
Electrical Isolation (Case)	>10 <sup>8</sup> ohms	>10 <sup>8</sup> ohms												
<b>Physical</b>														
Size (Hex x Height)	7/8 in x 4.5 in	22 mm x 114 mm												
Weight (without cable)	2.8 oz	80 gm												
Mounting	Stud	Stud												
Mounting Thread	1/4-28 Female	Not Applicable	[5]											
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 N-m												
Sensing Element	Ceramic	Ceramic												
Sensing Geometry	Shear	Shear												
Housing Material	Stainless Steel	Stainless Steel												
Sealing	Welded Hermetic	Welded Hermetic												
Electrical Connector	Armor Jacketed Cable	Armor Jacketed Cable												
Electrical Connection Position	Top	Top												
Cable Length	10 ft	3.0 m												
Cable Type	Polyurethane	Polyurethane	[6]											
<div><div>CE</div><div>[7]</div></div> <div><p>Typical Sensitivity Deviation vs Temperature</p><p>Sensitivity Deviation (%)</p><p>Temperature (°F)</p></div>														
<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.</p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>														
<div><div>IMI SENSORS</div><div>A PCB PIEZOTRONICS DIV.</div><div>3425 Walden Avenue, Depew, NY 14043</div></div> <div><p>Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: <a href="mailto:imi@pcb.com">imi@pcb.com</a></p></div>														
<table><tr><td>Entered: <i>N.F.</i></td><td>Engineer: <i>N.F.</i></td><td>Sales: <i>EG-1</i></td><td>Approved: <i>MA</i></td><td>Spec Number</td></tr><tr><td>Date: <i>6/1/01</i></td><td>Date: <i>6/21/01</i></td><td>Date: <i>6/24/02</i></td><td>Date: <i>6/24/02</i></td><td>5584</td></tr></table>					Entered: <i>N.F.</i>	Engineer: <i>N.F.</i>	Sales: <i>EG-1</i>	Approved: <i>MA</i>	Spec Number	Date: <i>6/1/01</i>	Date: <i>6/21/01</i>	Date: <i>6/24/02</i>	Date: <i>6/24/02</i>	5584
Entered: <i>N.F.</i>	Engineer: <i>N.F.</i>	Sales: <i>EG-1</i>	Approved: <i>MA</i>	Spec Number										
Date: <i>6/1/01</i>	Date: <i>6/21/01</i>	Date: <i>6/24/02</i>	Date: <i>6/24/02</i>	5584										