

Model Number 626B02		INDUSTRIAL ICP® ACCELEROMETER			Revision: A ECN #: 20059										
Performance		ENGLISH	SI		OPTIONAL VERSIONS										
Sensitivity (± 5 %)		500 mV/g	51 mV/(m/s ²)	[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. M - Metric Mount Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1) replaces Model 081A40										
Measurement Range		± 10 g	± 98 m/s ²												
Frequency Range (± 5 %)		30 to 120,000 cpm	0.5 to 2000 Hz	[3]											
Frequency Range (± 10 %)		22 to 240,000 cpm	0.37 to 4000 Hz												
Frequency Range (± 3 dB)		12 to 360,000 cpm	0.2 to 6000 Hz												
Resonant Frequency		720 kcpm	12 kHz	[1]											
Broadband Resolution (1 to 10,000 Hz)		20 µg	196 µm/s ²	[1]											
Non-Linearity		± 1 %	± 1 %	[4]											
Transverse Sensitivity		≤ 7 %	≤ 7 %												
Environmental															
Overload Limit (Shock)		2500 g pk	24,525 m/s ² pk												
Temperature Range		-65 to +250 °F	-54 to +121 °C												
Temperature Response		See Graph	See Graph												
Enclosure Rating		IP68	IP68												
Electrical															
Settling Time (within 1% of bias)		≤ 3.0 sec	≤ 3.0 sec												
Discharge Time Constant		≥ 1.0 sec	≥ 1.0 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 ohms	<100 ohms												
Output Bias Voltage		8 to 12 VDC	8 to 12 VDC												
Spectral Noise (10 Hz)		0.9 µg/√Hz	8.8 (µm/s ²)/√Hz	[1]											
Spectral Noise (100 Hz)		0.7 µg/√Hz	7.0 (µm/s ²)/√Hz	[1]											
Spectral Noise (1 kHz)		0.3 µg/√Hz	3.1 (µm/s ²)/√Hz	[1]											
Electrical Isolation (Case)		>10 ⁸ ohms	>10 ⁸ ohms												
Physical															
Size (Hex x Height)		1 3/16 in x 2 3/16 in	30.2 mm x 55.6 mm												
Weight		7.0 oz	199 gm												
Mounting Thread		1/4-28 UNF	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		2-Pin MIL-C-5015	2-Pin MIL-C-5015												
Electrical Connection Position		Top	Top												
		<p>Typical Sensitivity Deviation vs Temperature</p> <p>Sensitivity Deviation(%)</p> <p>Temperature (°F)</p>													
[6]															
<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. ICP® is a registered trademark of PCB Group, Inc.</p>															
<p>SUPPLIED ACCESSORIES: Model 081A40 Mounting Stud (1) Model 085A31 Protective Thermal Jacket (1) Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency (1)</p>															
<p>Industrial ICP® Accelerometer</p> <table><tr><td>Entered: <i>BLS</i></td><td>Engineer: <i>MUS</i></td><td>Sales: <i>DA</i></td><td>Approved: <i>N.R</i></td><td>Spec Number:</td></tr><tr><td>Date: <i>6-18-04</i></td><td>Date: <i>6.18.04</i></td><td>Date: <i>6-18-04</i></td><td>Date: <i>6/24/04</i></td><td>18541</td></tr></table>						Entered: <i>BLS</i>	Engineer: <i>MUS</i>	Sales: <i>DA</i>	Approved: <i>N.R</i>	Spec Number:	Date: <i>6-18-04</i>	Date: <i>6.18.04</i>	Date: <i>6-18-04</i>	Date: <i>6/24/04</i>	18541
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