


Model Number 355M73		ICP® ACCELEROMETER		Revision: C ECN #: 43317											
Performance		<u>ENGLISH</u>	<u>SI</u>	OPTIONAL VERSIONS											
Sensitivity(± 10 %)		100 mV/g	10.2 mV/(m/s 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 pk	± 491 m/s ² pk												
Frequency Range(± 5 %)		7 to 9000 Hz	7 to 9000 Hz												
Frequency Range(± 10 %)		5 to 11,000 Hz	5 to 11,000 Hz												
Frequency Range(± 3 dB)		3 to 20,000 Hz	3 to 20,000 Hz												
Resonant Frequency		≥ 45 kHz	≥ 45 kHz												
Broadband Resolution(500 to 50,000 Hz)		0.001 g rms	0.01 m/s ² rms			[1]									
Non-Linearity		≤ 1 %	≤ 1 %			[2]									
Transverse Sensitivity		≤ 5 %	≤ 5 %												
Environmental						NOTES: [1]Typical. [2]Zero-based, least-squares, straight line method. [3]Sensor with Cable is hydrotested from 0 to 600 psi (4.0 MPa) for 5 cycles and then held at 600 psi for 30 minutes during a sixth cycle.									
Overload Limit		± 5000 g pk	± 49,050 m/s ² pk												
Temperature Range		-65 to +175 °F	-54 to +79 °C												
Base Strain Sensitivity		0.008 g/με	0.08 (m/s ²)/με	[1]											
Electrical				SUPPLIED ACCESSORIES: Model 100-8002-20 #1 SS Washer (1) Model 37642-01 Screw 1-72 X .41 SHCS SS (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) Model ACS-139 High Frequency amplitude response (10KHz to 50KHz), data on disc. (1)											
Excitation Voltage		20 to 30 VDC	20 to 30 VDC												
Constant Current Excitation		2 to 20 mA	2 to 20 mA												
Output Impedance		≤ 300 Ohm	≤ 300 Ohm												
Output Bias Voltage		8 to 12 VDC	8 to 12 VDC												
Discharge Time Constant		0.07 to 1.0 sec	0.07 to 1.0 sec												
Settling Time(within 10% of bias)		<5 sec	<5 sec												
Spectral Noise(1 kHz)		4.5 μg/√Hz	25 (μm/sec ²)/√Hz			[1]									
Spectral Noise(10 kHz)		2.5 μg/√Hz	20 (μm/sec ²)/√Hz			[1]									
Electrical Isolation(Case)		≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm												
Physical				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Entered: AP</td> <td>Engineer: BAM</td> <td>Sales: RWM</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 9/2/2014</td> <td>Date: 9/2/2014</td> <td>Date: 9/2/2014</td> <td>Date: 9/2/2014</td> <td style="text-align: center;">37636</td> </tr> </table>		Entered: AP	Engineer: BAM	Sales: RWM	Approved: BAM	Spec Number:	Date: 9/2/2014	Date: 9/2/2014	Date: 9/2/2014	Date: 9/2/2014	37636
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Size (Height x Length x Width)		.32 in x 1.10 in x 0.46 in	8.1 x 27.9 mm x 11.7 mm			[1]									
Weight(without cable)		.13 oz	3.6 gm			[1]									
Sensing Element		Ceramic	Ceramic												
Sensing Geometry		Shear	Shear												
Housing Material		Titanium	Titanium												
Sealing		Hermetic	Hermetic			[3]									
Electrical Connector		Sealed Integral Cable	Sealed Integral Cable												
Electrical Connection Position		Side	Side												
Cable Termination		Pigtail Ends	Pigtail Ends												
Cable Length		20.0 ft	6.1 m												
Mounting		Through Hole	Through Hole												
Mounting Torque		1 to 2 in-lb	11 to 23 N-cm												
<p><i>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.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>															
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