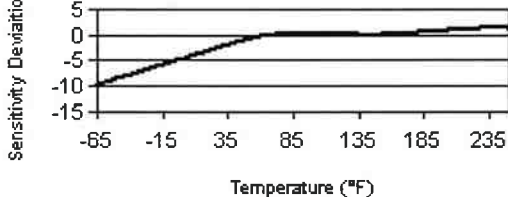


Model Number 625B11	INDUSTRIAL ICP® ACCELEROMETER			Revision: G ECN #: 29661
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 5 %)	100 mV/g	10.2 mV/(m/s ²)	[2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range	± 50 g	± 490 m/s ²		
Frequency Range(± 5 %)	30 to 390,000 cpm	0.5 to 6500 Hz	[3]	CS - Canadian Standards Association Approved Intrinsically Safe Hazardous Area Approval
Frequency Range(± 10 %)	22 to 450,000 cpm	0.37 to 7500 Hz		
Frequency Range(± 3 dB)	12 to 630,000 cpm	0.2 to 10,500 Hz		
Resonant Frequency	1500 kcpm	25 kHz	[1]	
Broadband Resolution(1 to 10,000 Hz)	50 µg	491 µm/s ²	[1]	Hazardous Area Approval
Non-Linearity	± 1 %	± 1 %	[4]	
Transverse Sensitivity	≤ 5 %	≤ 5 %		
Environmental				
Overload Limit(Shock)	5000 g pk	49,050 m/s ² pk		LB - Low Bias Voltage
Temperature Range	-65 to +250 °F	-54 to +121 °C	[1]	
Temperature Response	See Graph	See Graph		Output Bias Voltage
Enclosure Rating	IP68	IP68		Excitation Voltage
Electrical				Measurement Range
Settling Time(within 1% of bias)	≤ 8.0 sec	≤ 8.0 sec		
Discharge Time Constant	≥ 1.0 sec	≥ 1.0 sec		M - Metric Mount
Excitation Voltage	18 to 28 VDC	18 to 28 VDC		Supplied Accessory : Model M081A73 Mounting Bolt M6 x 1.00 replaces Model 081A73
Constant Current Excitation	2 to 20 mA	2 to 20 mA		TO - Temperature Output
Output Impedance	<100 ohm	<100 ohm		
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC		
Spectral Noise(10 Hz)	2.5 µg/√Hz	24.5 (µm/s ²)/√Hz	[1]	
Spectral Noise(100 Hz)	0.8 µg/√Hz	7.8 (µm/s ²)/√Hz	[1]	Temperature Output Range
Spectral Noise(1 kHz)	0.5 µg/√Hz	4.9 (µm/s ²)/√Hz	[1]	Temperature Scale Factor
Electrical Protection	RFI/ESD	RFI/ESD		Electrical Connections(Red)
Electrical Isolation(Case)	>10 ⁸ ohm	>10 ⁸ ohm		Electrical Connections(Black)
Physical				Electrical Connections(White)
Size (Diameter x Height)	1.38 in x 1.13 in	35.1 mm x 28.7 mm		Electrical Connections(Green)
Weight(without cable)	4.7 oz	133 gm		
Mounting	Through Hole	Through Hole		NOTES:
Mounting Thread	1/4-28 Male	Not Applicable	[5]	[1] Typical.
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 N-m		[2] Conversion Factor 1g = 9.81 m/s ² .
Sensing Element	Ceramic	Ceramic		[3] The high frequency tolerance is accurate within ±10% of the specified frequency.
Sensing Geometry	Shear	Shear		[4] Zero-based, least-squares, straight line method.
Housing Material	Stainless Steel	Stainless Steel		[5] 1/4-28 has no equivalent in S.I. units.
Sealing	Welded Hermetic	Welded Hermetic		[6] Twisted shielded pair.
Cable Length	10 ft	3.0 m		[7] See PCB Declaration of Conformance PS023 for details.
Cable Type	Polyurethane	Polyurethane	[6]	
 [7]  Typical Sensitivity Deviation vs Temperature 				
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.				
SUPPLIED ACCESSORIES: Model 080B45 Thermal Boot (1) Model 081A73 Captive mounting bolt 1/4-28 x 1.34" (1) Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency (1)				
Entered: BLS	Engineer: SEC	Sales: JG	Approved: UF	Spec Number:
Date: 11/11/08	Date: 11/17/08	Date: 11/10/08	Date: 11/17/08	9911
IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043				
Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com				