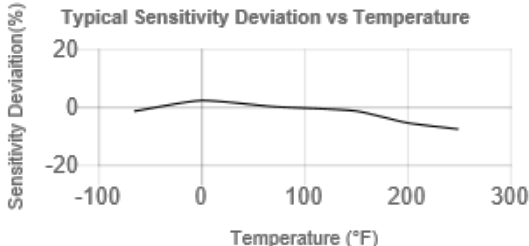


Model Number 603C02		LOW-COST INDUSTRIAL ICP® ACCELEROMETER		Revision: C ECN #: 56388	
Performance		ENGLISH		SI	
Sensitivity(± 20 %)		500 mV/g		51.0 mV/(m/s ²) [1]	
Measurement Range		± 10 g		± 98 m/s ²	
Frequency Range(± 3 dB)		30 to 180,000 cpm		0.5 to 3,000 Hz [2]	
Resonant Frequency		1,500 kcpm		25 kHz [3]	
Broadband Resolution(1 to 10,000 Hz)		300 µg		2,943 µm/sec ² [3]	
Non-Linearity		± 1 %		± 1 % [4]	
Transverse Sensitivity		≤ 7 %		≤ 7 %	
Environmental					
Overload Limit(Shock)		5,000 g pk		49,050 m/s ² pk	
Temperature Range		-65 to +200 °F		-54 to +93 °C	
Temperature Response		See Graph		See Graph [3]	
Enclosure Rating		IP68		IP68	
Electrical					
Settling Time(within 1% of bias)		≤ 5.0 sec		≤ 5.0 sec	
Discharge Time Constant		≥ 0.3 sec		≥ 0.3 sec	
Excitation Voltage		18 to 28 VDC		18 to 28 VDC	
Constant Current Excitation		2 to 20 mA		2 to 20 mA	
Output Impedance		< 500 Ohm		< 500 Ohm	
Output Bias Voltage		8 to 12 VDC		8 to 12 VDC	
Spectral Noise(10 Hz)		8 µg/√Hz		78.5 (µm/sec ²)/√Hz [3]	
Spectral Noise(100 Hz)		3 µg/√Hz		29.4 (µm/sec ²)/√Hz [3]	
Spectral Noise(1 kHz)		3 µg/√Hz		29.4 (µm/sec ²)/√Hz [3]	
Electrical Isolation(Case)		> 10 ⁸ Ohm		> 10 ⁸ Ohm	
Physical					
Size (Hex x Height)		11/16 in x 1.65 in		18 mm x 42.2 mm	
Weight		1.8 oz		51 gm	
Mounting Thread		1/4-28 Female		No Metric Equivalent [5]	
Mounting Torque		2 to 5 ft-lb		2.7 to 6.8 Nm	
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	
					
					
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 Piezotronics, Inc.					
OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.					
EX - Hazardous Area Approval- contact factory for specific approvals					
M - Metric Mount Supplied Accessory: Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)					
TO - Temperature Output Temperature Output Range+36 to +200 °F+2 to +93 °C Temperature Scale Factor5.56 mV/°F + 32+10 mV/°C Electrical Connector3-Pin MIL-C-50153-Pin MIL-C-5015 Electrical Connections(Pin A)Acceleration Output Electrical Connections(Pin B)Ground Electrical Connections(Pin C)Temperature Output Size - Height1.86 in47.2 Weight2.0 oz56.7					
NOTES: [1]Conversion Factor 1g = 9.81 m/s ² . [2]The high frequency tolerance is accurate within ±10% of the specified frequency. [3]Typical. [4]Zero-based, least-squares, straight line method. [5]1/4-28 has no equivalent in S.I. units. [6]See PCB Declaration of Conformance PS023 or PS060 for details. [7]See Model's "Instructions For Use" (IFU) for North American Conformity and Certification Statements.					
SUPPLIED ACCESSORIES: Model 081A40 Mounting Stud Model ICS-2 NIST-traceable single-point amplitude response calibration at 6000 cpm (100 Hz) for each axis (1)					
Entered: ND		Engineer: NJF		Sales: JL	
Date: 04/17/2026		Date: 04/17/2026		Date: 04/17/2026	
				Approved: NJF	
				Spec Number:	
				38367	
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