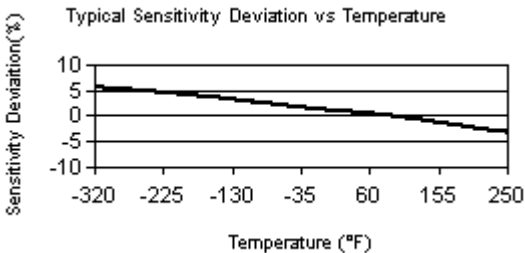


Model Number 351M13		CRYOGENIC ICP® ACCELEROMETER		Revision: C ECN #: 44563	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 15 %)		1 mV/g	0.10 mV/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range		± 5000 g pk	± 49,050 m/s² pk		
Frequency Range(± 5 %)		1 to 8000 Hz	1 to 8000 Hz		
Frequency Range(± 10 %)		0.7 to 10,000 Hz	0.7 to 10,000 Hz		
Resonant Frequency		≥ 40 kHz	≥ 40 kHz		
Broadband Resolution(1 to 10,000 Hz)		.01 g rms	.1 m/s² rms		
Non-Linearity		± 1 %	± 1 %		
Transverse Sensitivity		≤ 5 %	≤ 5 %		
Environmental					
Overload Limit		± 10,000 g pk	± 98,100 m/s² pk		
Temperature Range		-320 to +250 °F	-196 to +121 °C		
Temperature Response		See Graph	See Graph		
Electrical					
Excitation Voltage		18 to 30 VDC	18 to 30 VDC		
Constant Current Excitation		2 to 20 mA	2 to 20 mA		
Output Impedance		≤ 120 Ohm	≤ 120 Ohm		
Output Bias Voltage		7 to 12 VDC	7 to 12 VDC		
Discharge Time Constant		0.5 to 2 sec	0.5 to 2 sec		
Settling Time(within 10% of bias)		<10 sec	<10 sec		
Electrical Isolation		none	none		
Physical					
Size (Height x Hex)		0.74 in x 0.28 in	18.8 mm x 7.1 mm		
Weight		0.07 oz	2.0 gm		
Sensing Element		Quartz	Quartz		
Sensing Geometry		Shear	Shear		
Housing Material		Titanium	Titanium		
Sealing		Welded Hermetic	Welded Hermetic		
Electrical Connector		10-32 Coaxial Jack	10-32 Coaxial Jack		
Electrical Connection Position		Top	Top		
Mounting Thread		5-40 Male	5-40 Male		
Mounting Torque		8 to 12 in-lb	90 to 135 N-cm		
					
					
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.					
NOTES: [1]Typical. [2]Zero-based, least-squares, straight line method. [3]Transverse sensitivity is typically ≤ 3%. [4]See PCB Declaration of Conformance PS023 for details. [5]Add Accessories: (1) Model 080A90 Quick Bonder [6]Mounting stud removed, adhesive mounting base not required. [7]Mounting Thread M3 X 0.50 Male					
SUPPLIED ACCESSORIES: Model 080A109 Petro Wax (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).					
Entered: JM		Engineer: SDS		Sales:	
Date: 9/3/2015		Date: 9/3/2015		Date:	
				Approved: JJB	
				Spec Number:	
				5577	
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