

Model Number 352B01		ICP® ACCELEROMETER		Revision: D ECN #: 42197	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 20 %)		1.0 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 %)		2 to 10,000 Hz	2 to 10,000 Hz		
Frequency Range(± 10 %)		1 to 20,000 Hz	1 to 20,000 Hz		
Resonant Frequency		≥ 65 kHz	≥ 65 kHz	HT - High temperature, extends normal operation temperatures	
Broadband Resolution(1 to 10,000 Hz)		0.02 g rms	0.2 m/s² rms	Temperature Range(Operating)	-65 to +325 °F -54 to +163 °C
Non-Linearity		≤ 1 %	≤ 1 %		
Transverse Sensitivity		≤ 5 %	≤ 5 %		
Environmental				NOTES:	
Overload Limit(Shock)		± 10,000 g pk	± 98,100 m/s² pk	[1] 250° F to 325° F data valid with HT option only.	
Temperature Range(Operating)		-65 to +250 °F	-54 to +121 °C	[2] Typical.	
Temperature Response		See Graph	See Graph	[3] Zero-based, least-squares, straight line method.	
Electrical				[4] See PCB Declaration of Conformance PS023 for details.	
Excitation Voltage		18 to 30 VDC	18 to 30 VDC		
Constant Current Excitation		2 to 20 mA	2 to 20 mA		
Output Impedance		≤ 200 Ohm	≤ 200 Ohm		
Output Bias Voltage		7 to 12 VDC	7 to 12 VDC		
Discharge Time Constant		0.3 to 1.0 sec	0.3 to 1.0 sec		
Physical					
Size (Diameter x Height)		0.24 in x 0.32 in	6.1 mm x 8.1 mm		
Weight(without cable)		0.03 oz	0.7 gm		
Sensing Element		Ceramic	Ceramic		
Sensing Geometry		Shear	Shear		
Housing Material		Titanium	Titanium		
Sealing		Welded Hermetic	Welded Hermetic		
Electrical Connector		Solder pins with attached cable	Solder pins with attached cable		
Electrical Connection Position		Top	Top		
Cable Length		10 ft	3 m		
Cable Type		030 Coaxial	030 Coaxial		
Mounting		Adhesive	Adhesive		
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.					
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		SUPPLIED ACCESSORIES: Model 080A109 Petro Wax (1) Model 080A90 Quick Bonding Gel (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)			
		Entered: AP	Engineer: JJB	Sales: WDC	Approved: JJB Spec Number:
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