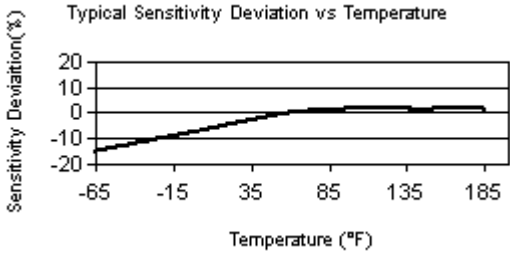


Model Number 356A45	TRIAXIAL ICP® ACCELEROMETER			Revision: A ECN #: 45778
Performance		ENGLISH	SI	OPTIONAL VERSIONS
Sensitivity(± 10 %)		100 mV/g	10.2 mV/(m/s ²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range		± 50 g pk	± 490 m/s ² pk	
Frequency Range(+/-5 %)		0.7 to 7000 Hz	0.7 to 7000 Hz	
Frequency Range(+/-10 %)		0.4 to 10,000 Hz	0.4 to 10,000 Hz	
Resonant Frequency		≥ 30 kHz	≥ 30 kHz	
Broadband Resolution(1 to 10,000 Hz)		0.0005 g rms	0.005 m/s ² rms	[1]
Non-Linearity		≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity		≤ 6 %	≤ 6 %	
TEDS Compliant(Per IEEE 1451.4)		Yes	Yes	
Environmental				
Overload Limit(Shock)		± 5000 g pk	± 49,050 m/s ² pk	
Temperature Range(Operating)		-65 to 185 °F	-54 to 85 °C	
Temperature Response		See Graph	See Graph	[1]
Base Strain Sensitivity		.001 g/με	.01 (m/s ²)/με	[1]
Electrical				
Excitation Voltage		20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation		2 to 20 mA	2 to 20 mA	
Output Impedance		≤ 200 Ohm	≤ 200 Ohm	
Output Bias Voltage		8 to 12 VDC	8 to 12 VDC	
Discharge Time Constant		0.8 to 2.4 sec	0.8 to 2.4 sec	
Settling Time(within 10% of bias)		≤ 5 sec	≤ 5 sec	
Spectral Noise(1 Hz)		125 μg/√Hz	1226 (μm/sec ²)/√Hz	[1]
Spectral Noise(10 Hz)		40 μg/√Hz	392 (μm/sec ²)/√Hz	[1]
Spectral Noise(100 Hz)		15 μg/√Hz	147 (μm/sec ²)/√Hz	[1]
Spectral Noise(1 kHz)		4 μg/√Hz	39.2 (μm/sec ²)/√Hz	[1]
Physical				
Sensing Element		Ceramic	Ceramic	
Sensing Geometry		Shear	Shear	
Housing Material		Titanium	Titanium	
Sealing		Hermetic	Hermetic	
Size (Height x Length x Width)		0.40 in x 0.40 in x 0.40 in	10.2 mm x 10.2 mm x 10.2 mm	
Weight		0.15 oz	4.2 gm	[1]
Electrical Connector		1/4-28 4-Pin	1/4-28 4-Pin	
Electrical Connection Position		Side	Side	
Mounting		Adhesive	Adhesive	
		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 080A109 Petro Wax (1) Model 080A90 Quick Bonding Gel (1) Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)		
Entered: LK		Engineer: LAB	Sales: WDC	Approved: NJF
Date: 8/11/2016		Date: 8/11/2016	Date: 8/11/2016	Date: 8/11/2016
		49501		
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