

	ENGLISH	SI
Performance		
Sensitivity(± 15 %)	10 mV/g	1.02 mV/(m/s ²)
Measurement Range	± 500 g pk	± 4900 m/s ² pk
Frequency Range(± 5 %)	0.5 to 10,000 Hz	0.5 to 10,000 Hz
Frequency Range(± 10 %)	0.35 to 16,000 Hz	0.35 to 16,000 Hz
Frequency Range(± 3 dB)	0.2 to 25,000 Hz	0.2 to 25,000 Hz
Resonant Frequency	≥ 65 kHz	≥ 65 kHz
Broadband Resolution(1 to 10,000 Hz)	0.003 g rms	0.03 m/s ² rms [1]
Non-Linearity	≤ 1 %	≤ 1 % [2]
Transverse Sensitivity	≤ 5 %	≤ 5 %
Environmental		
Overload Limit(Shock)	± 10,000 g pk	± 98,000 m/s ² pk
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C
Temperature Response	See Graph	See Graph [1]
Electrical		
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	1.0 to 3.5 sec	1.0 to 3.5 sec
Settling Time(within 10% of bias)	≤ 3 sec	≤ 3 sec
Spectral Noise(1 Hz)	725 µg/√Hz	7110 (µm/sec ²)/√Hz [1]
Spectral Noise(10 Hz)	225 µg/√Hz	2210 (µm/sec ²)/√Hz [1]
Spectral Noise(100 Hz)	60 µg/√Hz	590 (µm/sec ²)/√Hz [1]
Spectral Noise(1 kHz)	20 µg/√Hz	196 (µm/sec ²)/√Hz [1]
Physical		
Size (Height x Length x Width)	.14 in x 0.41 in x 0.25 in	3.6 mm x 10.4 mm x 6.4 mm
Weight(without cable)	0.023 oz	0.64 gm [1]
Sensing Element	Ceramic	Ceramic
Sensing Geometry	Shear	Shear
Housing Material	Titanium	Titanium
Sealing	Hermetic	Hermetic
Electrical Connector	Solder pins with attached cable	Solder pins with attached cable
Electrical Connection Position	Side	Side
Cable Termination	10-32 Coaxial Plug	10-32 Coaxial Plug
Cable Length	10 ft	3.05 m
Cable Type	089 Twisted Pair	089 Twisted Pair
Mounting	Adhesive	Adhesive

OPTIONAL VERSIONS

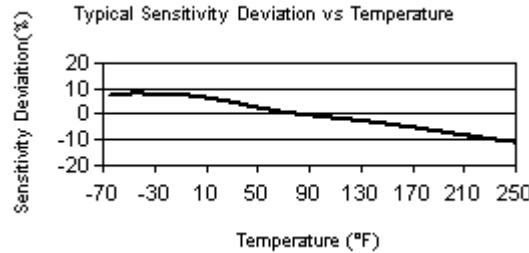
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1] Typical.
 [2] Zero-based, least-squares, straight line method.
 [3] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 039A32 One-piece removal tool for model 352A71 (1)
 Model 080A109 Petro Wax (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)



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.

Entered: AP	Engineer: JJB	Sales: WDC	Approved: JJB	Spec Number:
Date: 11/8/2013	Date: 11/8/2013	Date: 11/8/2013	Date: 11/8/2013	49975



Phone: 716-684-0001
Fax: 716-684-0987
E-Mail: info@pcb.com