

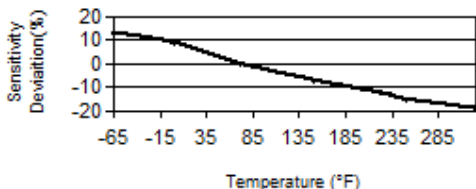
	<u>ENGLISH</u>	<u>SI</u>
Performance		
Sensitivity(± 20 %)	0.25 mV/g	0.025 mV/(m/s ²)
Measurement Range	± 20,000 g pk	± 196,200 m/s ² pk
Frequency Range(± 5 %)	1.2 to 6000 Hz	1.2 to 6000 Hz
Frequency Range(± 10 %)	1 to 10,000 Hz	1 to 10,000 Hz
Resonant Frequency	≥ 50 kHz	≥ 50 kHz
Broadband Resolution(1 to 10,000 Hz)	0.04 g rms	0.39 m/s ² rms [1]
Non-Linearity(10000 g, 98100 m/s ²)	≤ 1 %	≤ 1 % [2]
Non-Linearity(20000 g, 196,200 m/s ²)	≤ 3 %	≤ 3 % [2]
Transverse Sensitivity	≤ 5 %	≤ 5 %

Environmental		
Overload Limit(Shock)	± 30,000 g pk	± 294,300 m/s ² pk
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °C
Temperature Response	See Graph	See Graph [1]
Base Strain Sensitivity	0.05 g/με	0.5 (m/s ²)/με [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	≤ 100 Ohm	≤ 100 Ohm
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC
Discharge Time Constant	0.4 to 1.2 sec	0.4 to 1.2 sec
Settling Time(within 10% of bias)	<3 sec	<3 sec
Spectral Noise(1 Hz)	13.5 mg/√Hz	132 mm/s ² /√Hz [1]
Spectral Noise(10 Hz)	3.8 mg/√Hz	37.3 mm/s ² /√Hz [1]
Spectral Noise(100 Hz)	1.21 mg/√Hz	11.7 mm/s ² /√Hz [1]
Spectral Noise(1 kHz)	0.36 mg/√Hz	3.53 mm/s ² /√Hz [1]
Spectral Noise(10 kHz)	0.13 mg/√Hz	1.28 mm/s 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)	0.25 in x 0.25 in x 0.25 in	6.35 mm x 6.35 mm x 6.35 mm [1]
Weight(without cable)	0.03 oz	0.8 gm
Electrical Connector	Integral Cable	Integral Cable
Electrical Connection Position	Side	Side
Cable Termination	1/4-28 4-Pin Jack	1/4-28 4-Pin Jack
Cable Length	5 ft	1.5 m
Cable Type	019 4-cond Shielded	019 4-cond Shielded
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.
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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 034G05 4-cond. shielded cable, 5 ft (1.5M), 4-pin plug to (3) BNC plugs (1)
 Model 080A109 Petro Wax (1)
 Model 080A90 Quick Bonding Gel (1)
 Model ACS-159T NIST traceable triaxial frequency response (50 Hz to upper 5% point) (1)

Entered: LK	Engineer: LAB	Sales: WDC	Approved: NJF	Spec Number:
Date: 11/1/2018	Date: 11/1/2018	Date: 11/1/2018	Date: 11/1/2018	67005

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