

	ENGLISH	SI	
Performance			
Sensitivity(± 20 %)	5 mV/µε	5 mV/µε	[1]
Measurement Range	900 pk µε	900 pk µε	
Frequency Range	0.5 to 100,000 Hz	0.5 to 100,000 Hz	[2]
Broadband Resolution(1 to 10,000 Hz)	5.0 nε	5.0 nε	[3]
Non-Linearity	≤ 1.5 %	≤ 1.5 %	[4][5]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]
Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,000 m/s ² pk	
Temperature Range	-65 to +250 °F	-53 to +121 °C	
Acceleration Sensitivity	0.001 µε/g	0.0001 µε/(m/s ²)	[3][6]
Electrical			
Excitation Voltage	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Discharge Time Constant	1 to 3 sec	1 to 3 sec	
Spectral Noise(1 Hz)	1,900 pε/√Hz	1,900 pε/√Hz	[3][7]
Spectral Noise(10 Hz)	600 pε/√Hz	600 pε/√Hz	[3]
Spectral Noise(100 Hz)	200 pε/√Hz	200 pε/√Hz	[3]
Spectral Noise(1 kHz)	60 pε/√Hz	60 pε/√Hz	[3]
Spectral Noise(10 kHz)	15 pε/√Hz	15 pε/√Hz	[3]
Physical			
Sensing Element	Quartz	Quartz	
Housing Material	Titanium	Titanium	
Sealing	Epoxy	Epoxy	
Size (Width x Length x Height)	0.2 in x 0.6 in x 0.07 in	5.1 mm x 15.2 mm x 1.8 mm	
Weight	0.02 oz	0.5 gm	[3]
Electrical Connector	10-32 Coaxial Plug	10-32 Coaxial Plug	
Mounting	Adhesive	Adhesive	
Cable Length	10 ft	10 ft	
Cable Type	030 Coaxial	030 Coaxial	

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] Calibrated on a steel bar at 100 µε
 [2] Based on cable drive of 100 ft at 30 pF/ft 20 mA excitation.
 [3] Typical.
 [4] Zero-based, least-squares, straight line method.
 [5] Linearity to full range can be obtained only when bond strength of epoxy mounting adhesive is suitable.
 [6] Measured perpendicular to sensing axis.
 [7] Strain level equivalent.
 [8] See PCB Declaration of Conformance PS023 for details.

SUPPLIED ACCESSORIES:

Model 039A07 Removal Tool (1)
 Model 080A90 Quick Bonding Gel (1)

Entered: RB	Engineer: JD	Sales: KK	Approved: JD	Spec Number:
Date: 11/17/2020	Date: 11/17/2020	Date: 11/17/2020	Date: 11/17/2020	4204

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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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