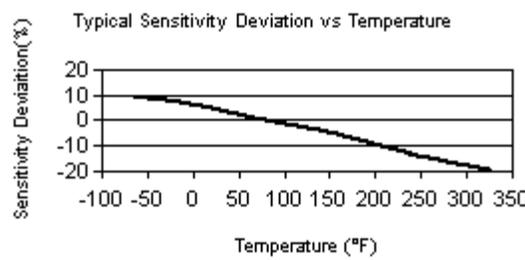


	ENGLISH	SI	
Sensitivity(± 15 %)	10 mV/g	1.02 mV/(m/s <sup>2</sup> )	
Measurement Range	± 500 g pk	± 4905 m/s <sup>2</sup> pk	
Frequency Range(-5 %)	2 to 4000 Hz	2 to 4000 Hz	
Resonant Frequency	≥ 55 kHz	≥ 55 kHz	
Electrical Filter Roll-off	6 dB/octave	6 dB/octave	[1]
Electrical Filter Corner Frequency	15 kHz	15 kHz	[1]
Broadband Resolution(1 to 10,000 Hz)	0.008 g rms	0.08 m/s <sup>2</sup> rms	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %	

Environmental			
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s <sup>2</sup> pk	
Temperature Range(Operating)	-65 to +325 °F	-54 to +163 °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	0.3 to 1.0 sec	0.3 to 1.0 sec	
Settling Time(within 10% of bias)	≤ 3.0 sec	≤ 3.0 sec	
Spectral Noise(1 Hz)	445 µg/√Hz	4365 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(10 Hz)	135 µg/√Hz	1325 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(100 Hz)	90 µg/√Hz	883 (µm/sec <sup>2</sup> )/√Hz	[1]
Spectral Noise(1 kHz)	80 µg/√Hz	785 (µm/sec <sup>2</sup> )/√Hz	[1]

Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Height x Length x Width)	0.4 in x 0.4 in x 0.4 in	10.2 mm x 10.2 mm x 10.2 mm	
Weight(without cable)	0.14 oz	4.0 gm	[1]
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	5.0 ft	1.5 m	
Cable Type	034 4-cond Shielded	034 4-cond Shielded	
Mounting	Stud	Stud	
Mounting Thread	5-40 Female	5-40 Female	
Mounting Torque	4 to 5 in-lb	45 to 56 N-cm	



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.		
<b>W</b> - Water Resistant Cable		
Electrical Connector	Sealed Integral Cable	Sealed Integral Cable

**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 080A Adhesive Mounting Base (1)  
 Model 080A109 Petro Wax (1)  
 Model 081A27 Mounting Stud (5-40 to 5-40) (1)  
 Model 081A90 Mounting stud, 10-32 to 5-40 (1)  
 Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)  
 Model M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (1)

Entered: AP	Engineer: SDS	Sales: WDC	Approved: JJB	Spec Number:
Date: 6/5/2014	Date: 6/5/2014	Date: 6/5/2014	Date: 6/5/2014	<b>20665</b>