

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 50 %)(at 10 VDC excitation)	0.003 mV/g	0.0003 mV/(m/s <sup>2</sup> )	[1]
Sensitivity	0.0003 mV/V/g	0.00003 mV/V/(m/s <sup>2</sup> )	[7]
Measurement Range	± 60 Kg	± 588,400 m/s <sup>2</sup> pk	
Frequency Range(± 1 dB)	0 to 10,000 Hz	0 to 10,000 Hz	
Resonant Frequency	≥ 120 kHz	≥ 120 kHz	
Damping Ratio	2 % Critical	2 % Critical	[5]
Non-Linearity	± 1 %	± 1 %	
Transverse Sensitivity	≤ 3 %	≤ 3 %	
<b>Environmental</b>			
Overload Limit(Shock)	± 80,000 g pk	± 784,532 m/s <sup>2</sup> pk	[4]
Overload Limit(Mechanical Stops)	≥ 80 Kg	≥ 782,534 m/s <sup>2</sup> pk	
Temperature Range(Storage)	-65 to 250 °F	-54 to 121 °C	
Temperature Range(Operating)	-65 to 250 °F	-54 to 121 °C	
Temperature Coefficient of Sensitivity	-0.11 %/°F	-0.20 %/°C	[5]
Zero g Offset Temperature Shift	± 10 mV	± 10 mV	[6]
Base Strain Sensitivity	0.3 g/με	2.94 (m/s <sup>2</sup> )/με	[5]
<b>Electrical</b>			
Excitation Voltage(Maximum)	15.0 VDC	15.0 VDC	
Current Consumption	<12 mA	<12 mA	
Input Resistance(± 700 Ohm)	2000 Ohm	2000 Ohm	[1]
Output Resistance(± 2000 Ohm)	6000 Ohm	6000 Ohm	[1]
Offset Voltage	-40 to +40 mVDC	-40 to +40 mVDC	[1]
Settling Time	0.01 sec	0.01 sec	[2]
Electrical Isolation(Case)	≥ 10 <sup>8</sup> Ohm	≥ 10 <sup>8</sup> Ohm	[3]
<b>Physical</b>			
Sensing Element	Piezoresistive MEMS	Piezoresistive MEMS	
Sensing Geometry	Full Active	Full Active	
Housing Material	Titanium	Titanium	
Sealing	Epoxy	Epoxy	
Size (Height x Length x Width)	0.25 in x 0.47 in x 0.47 in	6.35 mm x 11.81 mm x 11.81 mm	
Weight(without cable)	0.1 oz	2.83 gm	[5]
Electrical Connector	Integral Cable	Integral Cable	
Electrical Connection Position	Side	Side	
Cable Type	026 8-conductor cable, shielded PTFE	026 8-conductor cable, shielded PTFE	
Cable Termination	Pigtail Ends	Pigtail Ends	
Cable Length	10 ft	3.05 m	
Mounting	Through Holes (2)	Through Holes (2)	
Mounting Torque	8 in-lb	8 in-lb	
<i>All specifications are at room temperature unless otherwise specified.</i>			
<i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i>			
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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] Verified with test data provided on supplied calibration certificate.  
 [2] Settling Time is the maximum time after power-up for the Offset Voltage to be within +/-2% of Measurement Range output of the final offset value. Mounting surface must be at thermal equilibrium.  
 [3] Individually tested to ensure compliance with specified value.  
 [4] Half-sine pulse duration, ≥ 20 μsec.  
 [5] Typical.  
 [6] -65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C)  
 [7] Sensitivity is proportional to excitation voltage, and at other excitation values, sensitivity can be predicted from the 10VDC calibrated value with a small (<~.5%) increase in uncertainty.

**SUPPLIED ACCESSORIES:**  
 Model 081A114 MOUNTING SCREW AND WASHER(4-40 x 3/8" SHCS) (2)  
 Model ACS-62T CALIBRATION OF HIGH G PR ACCCELEROMETER (1)

Entered: AP	Engineer: JDK	Sales: MO	Approved: BAM	Spec Number:
Date: 2/21/2013	Date: 2/21/2013	Date: 2/21/2013	Date: 2/21/2013	<b>53395</b>

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