

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Sensitivity(± 5 %)	50 pC/g	5.1 pC/(m/s <sup>2</sup> )	
Measurement Range	± 500 g pk	± 4905 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	3000 Hz	3000 Hz	[2]
Frequency Range(+10 %)	5000 Hz	5000 Hz	[2]
Resonant Frequency	>18 kHz	>18 kHz	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
<b>Environmental</b>			
Overload Limit(Shock)	± 2000 g pk	± 19,620 m/s <sup>2</sup> pk	
Temperature Range	-65 to +900 °F	-54 to +482 °C	
Temperature Response	See Graph	See Graph	[1]
Temperature Response	See Graph	See Graph	
Temperature Response	See Graph	See Graph	
Base Strain Sensitivity	≤ 0.033 g/με	≤ .32 (m/s <sup>2</sup> )/με	
<b>Electrical</b>			
Capacitance(Pin to Pin)	1525 pF	1525 pF	[1]
Capacitance(Pin to Case)	250 pF	250 pF	[1]
Insulation Resistance(Pin to Case 70° F)	>10 <sup>9</sup> Ohm	>10 <sup>9</sup> Ohm	
Insulation Resistance(Pin to Pin 70° F)	>10 <sup>9</sup> Ohm	>10 <sup>9</sup> Ohm	
Insulation Resistance(Pin to Pin 900° F)	>100 kohm	>100 kohm	
Output Polarity	Differential	Differential	
<b>Physical</b>			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Compression	Compression	
Housing Material	Inconel	Inconel	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	1.49 in x 1.63 in x 1.63 in	38 mm x 41.4 mm x 41.4 mm	
Weight(with cable)	19.4 oz	550 gm	[1]
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015	
Electrical Connection Position	Side	Side	
Cable Length	7 ft	2.1 m	
Cable Type	MI Hardline Cable	MI Hardline Cable	
Mounting	Through Holes (4)	Through Holes (4)	

**OPTIONAL VERSIONS**

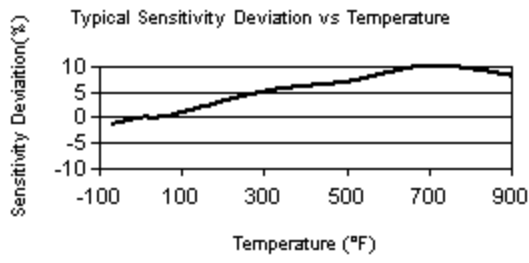
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

**NOTES:**

[1]Typical.  
 [2]Low frequency response is determined by external signal conditioning electronics.  
 [3]Zero-based, least-squares, straight line method.  
 [4]Transverse sensitivity is typically ≤ 3%.  
 [5]See PCB Declaration of Conformance PS141 for details.

**SUPPLIED ACCESSORIES:**

Model 62177-01 1/4-28 x 1 1/4in long (1)  
 Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency



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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Entered: JM	Engineer: JJD	Sales: EGY	Approved: NJF	Spec Number:
Date: 9/30/2015	Date: 9/30/2015	Date: 9/30/2015	Date: 9/30/2015	62610

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