

Model Number <b>611M10</b>	<b>CHARGE OUTPUT ACCELEROMETER</b>	Revision: A ECN #: 49030
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	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Sensitivity(± 5 %)	5.0 pC/g	.510 pC/(m/s <sup>2</sup> )	
Measurement Range	± 500 g pk	± 4905 m/s <sup>2</sup> pk	
Frequency Range(+10 %)	5 kHz	5 kHz	[2]
Resonant Frequency	20 kHz	20 kHz	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[4]
<b>Environmental</b>			
Overload Limit(Shock)	± 1000 g pk	± 9810 m/s <sup>2</sup> pk	
Temperature Range	-65 to +900 °F	-54 to +482 °C	
Temperature Response	See Graph	See Graph	[1]
<b>Electrical</b>			
Capacitance(Pin to Pin)	240 pF	240 pF	[1]
Capacitance(Pin to Case)	210 pF	210 pF	[1]
Capacitance(Unbalance Between Pins)	≤ 2 pF	≤ 2 pF	
Insulation Resistance(Pin to Case 70°F)	>10 <sup>9</sup> Ohm	>10 <sup>9</sup> Ohm	[1]
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	
<b>Physical</b>			
Sensing Element	UHT-12	UHT-12	
Sensing Geometry	Shear	Shear	
Housing Material	Inconel	Inconel	
Sealing	Hermetic	Hermetic	
Size (Height x Diameter)	0.75 in x 1.5 in	19 mm x 38.1 mm	
Weight(with cable)	14.22 oz	403.1 gm	[1]
Electrical Connector	7/16-27 2-Pin	7/16-27 2-Pin	
Electrical Connection Position	Side	Side	
Cable Length	10 ft	3.05 m	
Cable Type	Integral Hardline Cable	Integral Hardline Cable	
Mounting	Through Holes (3)	Through Holes (3)	

**OPTIONAL VERSIONS**

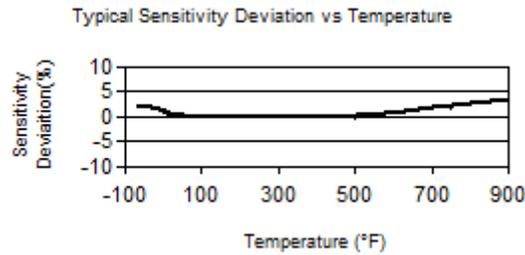
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

**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 PS158 for details.

**SUPPLIED ACCESSORIES:**

Model 081A99 Cap Screw (3)  
 Model ICS-8 NIST-traceable single-axis amplitude response calibration from 600 cpm (10Hz) to upper 10% 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: LK	Engineer: BAM	Sales: RWM	Approved: BAM	Spec Number:
Date: 1/9/2019	Date: 1/9/2019	Date: 1/9/2019	Date: 1/9/2019	<b>68983</b>

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