

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Sensitivity(± 5 %)	10 pC/g	1.02 pC/(m/s <sup>2</sup> )	
Measurement Range	± 200 g pk	± 1962 m/s <sup>2</sup> pk	
Frequency Range(± 5 %)	2.8 kHz	2.8 kHz	[4]
Frequency Range(+10 %)	3.7 kHz	3.7 kHz	[4]
Resonant Frequency	>17 kHz	>17 kHz	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[5]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[6]
<b>Environmental</b>			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s <sup>2</sup> pk	
Temperature Range	-65 to +1200 °F	-54 to +650 °C	[2]
Temperature Range	-165 to +1300 °F	-109 to +704 °C	[3]
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.005 g/με	0.05 (m/s <sup>2</sup> )/με	[1]
Radiation Exposure Limit(Integrated Neutron Flux)	1 E10 N/cm <sup>2</sup>	1 E10 N/cm <sup>2</sup>	
Radiation Exposure Limit(Integrated Gamma Flux)	1 E8 rad	1 E8 rad	
Hazardous Area Approval	Ex ia IIC T6 . . . T 710°C Ga	Ex ia IIC T6 . . . T 710°C Ga	
Hazardous Area Approval	IECEX Ex ia IIC T6 . . . T 710°C Ga	IECEX Ex ia IIC T6 . . . T 710°C Ga	
<b>Electrical</b>			
Capacitance(Pin to Pin)	320 pF	320 pF	[1]
Capacitance(Pin to Case)	360 pF	360 pF	[1]
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	
Insulation Resistance(Pin to Pin 1200° F)	>20 kohm	>20 kohm	
Output Polarity	Differential	Differential	
<b>Physical</b>			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Shear	Shear	
Housing Material	Inconel	Inconel	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	.787 in x 1.465 in x 1.456 in	20 mm x 37 mm x 37 mm	
Weight(without cable)	6.3 oz	180 gm	[1]
Electrical Connector	LEMO PCA.0S.302.CLLC42	LEMO PCA.0S.302.CLLC42	
Electrical Connection Position	Side	Side	
Cable Length	10 ft	3 m	
Cable Type	MI Hardline Cable	MI Hardline Cable	
Mounting	Through Hole	Through Hole	

**OPTIONAL VERSIONS**

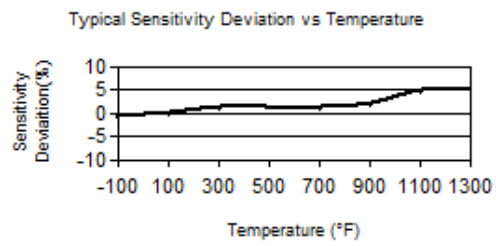
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

**NOTES:**

[1] Typical.  
 [2] Continuous  
 [3] Extreme  
 [4] Low frequency response is determined by external signal conditioning electronics.  
 [5] Zero-based, least-squares, straight line method.  
 [6] Transverse sensitivity is typically ≤ 3%.  
 [7] See PCB Declaration of Conformance PS122 for details.

**SUPPLIED ACCESSORIES:**

Model 081A115 M6 x 1 x 25 mm 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: LK	Engineer: GJR	Sales: JC	Approved: BAM	Spec Number:
Date: 3/30/2017	Date: 3/30/2017	Date: 3/30/2017	Date: 3/30/2017	<b>50208</b>