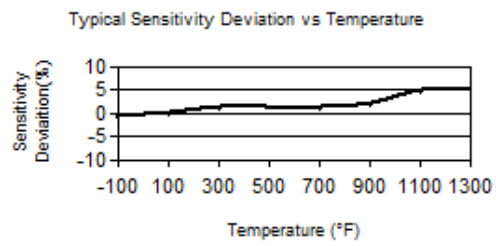


	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 5 %)	10 pC/g	1.02 pC/(m/s ²)	
Measurement Range	± 200 g pk	± 1962 m/s ² pk	
Frequency Range(± 5 %)	2.8 kHz	2.8 kHz	[4]
Frequency Range(+10 %)	3.7 kHz	3.7 kHz	[4]
Resonant Frequency	>17 kHz	>17 kHz	[1]
Non-Linearity	≤ 1 %	≤ 1 %	[5]
Transverse Sensitivity	≤ 5 %	≤ 5 %	[6]
Environmental			
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s ² 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 ²)/με	[1]
Radiation Exposure Limit(Integrated Neutron Flux)	1 E10 N/cm ²	1 E10 N/cm ²	
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	
Electrical			
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 ⁹ Ohm	>10 ⁹ Ohm	[1]
Insulation Resistance(Pin to Pin 70° F)	>10 ⁹ Ohm	>10 ⁹ 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	
Physical			
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	50208

 3425 Walden Avenue, Depew, NY 14043	Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com
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