

	ENGLISH	SI	
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	
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	0.033 g/με	0.32 (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)	250 pF	250 pF	[1]
Capacitance(Pin to Case)	110 pF	110 pF	[1]
Capacitance(Unbalance Between Pins)	≤ 2 pF	≤ 2 pF	
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	
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	7/16-27 2-Pin	7/16-27 2-Pin	
Electrical Connection Position	Side	Side	
Cable Length	10 ft	3.05 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.

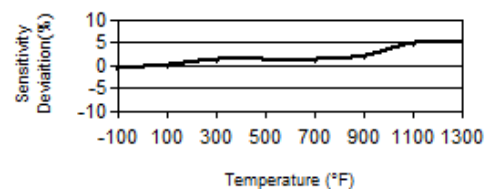
NOTES:

[1] Typical.
 [2] 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 100-11121-90 M6x1 x 30mm Long (4)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).

Typical Sensitivity Deviation vs Temperature



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:
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