

Performance	<u>ENGLISH</u>	<u>SI</u>
Sensitivity(± 10 %)	3.3 pC/g	0.34 pC/(m/s ²)
Measurement Range	± 1000 g pk	± 9800 m/s ² pk
Frequency Range(± 5 %)	3 kHz	3 kHz
Frequency Range(± 1 dB)	5 kHz	5 kHz
Resonant Frequency	≥ 15 kHz	≥ 15 kHz
Non-Linearity(per full scale range)	≤ 1.0 %	≤ 1.0 %
Transverse Sensitivity	≤ 5 %	≤ 5 %
Environmental		
Overload Limit(Shock)	± 2000 g pk	± 19,600 m/s ² pk
Temperature Range(Operating)	-67 to 1200 °F	-55 to 649 °C
Temperature Range(Survivable Limit)	-67 to 1400 °F	-55 to 760 °C
Temperature Range(Cable Termination)	-67 to 900 °F	-55 to 482 °C
Temperature Response	See graph	See graph
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
Electrical		
Capacitance	520 pF	520 pF
Insulation Resistance(@ 1200°F[649°C])	≥ 10 kohm	≥ 10 kohm
Insulation Resistance(@ 70° F [21°C])	≥ 100 MOhm	≥ 100 MOhm
Output Polarity	Differential	Differential
Electrical Isolation	Signal isolated from case	Signal isolated from case
Physical		
Sensing Element	UHT-12™	UHT-12™
Sensing Geometry	Shear	Shear
Housing Material	Nickel Alloy	Nickel Alloy
Sealing(Sensor Housing)	Hermetic	Hermetic
Sealing(Connector)	Welded Hermetic	Welded Hermetic
Size (Height x Length x Width)	.56 in x .95 in x .56 in	14.2 mm x 24.1 mm x 14.2 mm
Weight(without cable)	1.6 oz	45 gm
Cable Length	10 ft	3.05 m
Cable Type	Integral Hardline Cable	Integral Hardline Cable
Cable Termination	7/16-27 2-Pin	7/16-27 2-Pin
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] Additional cable length will add approx. 50pF/ft.

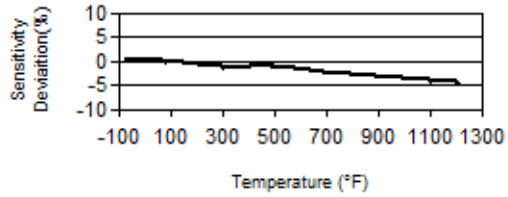
[3] See PCB Declaration of Conformance PS081 for details.

SUPPLIED ACCESSORIES:

Model 081A116 Mounting Screw, 10-32 UNJF-3Ax 5/8", Inconel 718 (1)

Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

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.

ICP® is a registered trademark of PCB Group, Inc.
 This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit <http://www.pcb.com>

Entered: LK	Engineer: JJD	Sales: MC	Approved: NJF	Spec Number:
Date: 1/31/2018	Date: 1/31/2018	Date: 1/31/2018	Date: 1/31/2018	68368

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