



Model 357C90

Product Type: Accelerometer, Vibration Sensor

Charge Output Accel, 5 pC/g, 1200 F (649 C) operation, integral 10-ft hardline cable

PERFORMANCE	ENGLISH	SI
Sensitivity(± 10 %)	5 pC/g	.51 pC/(m/s ²)
Measurement Range	± 1000 g pk	± 9800 m/s ² pk
Frequency Range(± 5 %)	2.5 kHz	2.5 kHz
Frequency Range(± 1 dB)	4 kHz	4 kHz
Resonant Frequency	≥ 14 kHz	≥ 14 kHz
Non-Linearity(per full scale range)	≤ 2.5 %	≤ 2.5 %
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	± 15 %	± 15 % [1]
ELECTRICAL		
Capacitance	990 pF	990 pF [1]
Insulation Resistance(@ 70° F [21°C])	≥ 100 Mohm	≥ 100 Mohm
Insulation Resistance(@ 1200°F[649°C])	≥ 10 kohm	≥ 10 kohm
Output Polarity	Negative	Negative
Electrical Isolation	Signal isolated from case	Signal isolated from case
PHYSICAL		
Sensing Geometry	Shear	Shear
Housing Material	Inconel	Inconel
Sealing(Sensor Housing)	Hermetic	Hermetic
Sealing(Connector)	Welded Hermetic	Welded Hermetic
Size (Height x Length x Width)	.66 in x 1.26 in x .66 in	16.7 mm x 32.0 mm x 16.7 mm
Weight(without cable)	2.6 oz	75 gm [1]
Electrical Connector	Integral Hardline Cable	Integral Hardline Cable
Cable Length	10 ft	3.05 m
Cable Type	MI Hardline Cable	MI Hardline Cable
Cable Termination	10-32 Coaxial Jack	10-32 Coaxial Jack
Mounting	Through Hole	Through Hole
SUPPLIED ACCESSORIES:		
Model 081A108 Mounting screw with 1/4-28 thread (1)		
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)		

All specifications are at room temperature unless otherwise specified.

NOTES:

[1]Typical.