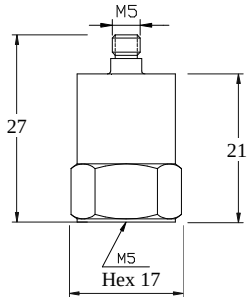
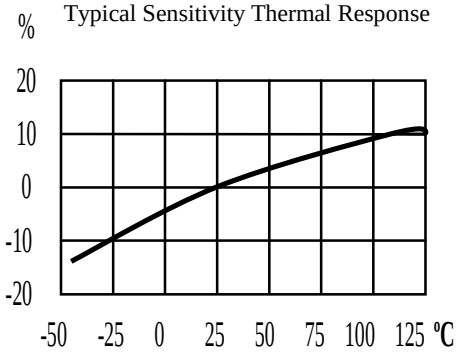
IEPE Economic Version Accelerometer

Model NTI-14108





DYNAMIC

Sensitivity ± 10%	100 mV/g
Measurement Range	± 50 g peak
Broadband Resolution	0.0001 g rms
Amplitude Nonlinearity	1 %
Frequency Range ± 10%	0.5 – 10 kHz
Resonance Frequency	27 kHz
Transverse Sensitivity	≤ 5 %

ELECTRICAL

Excitation Voltage	18 - 30 VDC
Constant Current Excitation	2 – 20 mA
Output Impedance	≤ 100 Ω
Output Bias Voltage	12 VDC
Spectral Noise (10 Hz)	12 μg /√Hz
(100 Hz)	4 μg /√Hz
(1000 Hz)	3 μg /√Hz
Mounting Ground Insulation Resistance	NO

ENVIRONMENT

Maximum Vibration	400 g peak
Maximum Shock	1000 g peak
Operation Temperature	-40 to 248°F / -40 to 120°C
Sealing	Epoxy
Base Strain Sensitivity	0.001 g/μ strain

PHYSICAL

Sensing Element	Ceramic / Shear
Housing Material	Stainless Steel
Output Connector / Position	M5 / Top
Mounting Thread	M5
Weight	25 gram

ACCESORIES SUPPLIED

Ø 2 mm x 1 m Low Noise Cable with M5 / BNC Connectors

M5-M5 Mounting Stud

Calibration Certificate

Note: Output connector and mounting thread can be changed to English 10-32 thread by request.

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