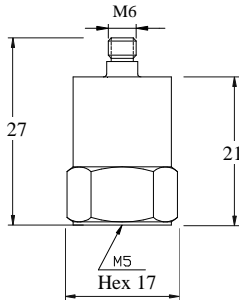




IEPE Economic Version Accelerometer – M6 Output

Model NTI-14111



DYNAMIC

Sensitivity $\pm 10\%$	-----	100 mV/g
Measurement Range	-----	± 50 g peak
Broadband Resolution	-----	0.0001 g rms
Amplitude Nonlinearity	-----	1 %
Frequency Range $\pm 10\%$	-----	0.5 – 8 kHz
Resonance Frequency	-----	27 kHz
Transverse Sensitivity	-----	≤ 5 %

ELECTRICAL

Excitation Voltage	-----	18 - 30 VDC
Constant Current Excitation	-----	2 – 20 mA
Output Impedance	-----	$\leq 100 \Omega$
Output Bias Voltage	-----	12 VDC
Spectral Noise (10 Hz)	-----	12 $\mu\text{g} / \sqrt{\text{Hz}}$
(100 Hz)	-----	4 $\mu\text{g} / \sqrt{\text{Hz}}$
(1000 Hz)	-----	3 $\mu\text{g} / \sqrt{\text{Hz}}$
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	-----	M6 / Top
Mounting Thread	-----	M5
Weight	-----	25 gram

ACCESORIES SUPPLIED

- Ø 3 mm x 1 m Low Noise Cable with M6 / BNC Connectors
- M5-M5 Mounting Stud
- Calibration Certificate

Note: Mounting thread can be changed to English 10-32 thread by request.

