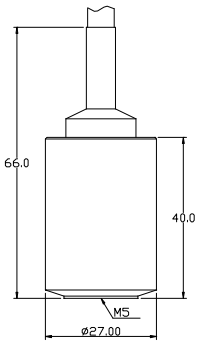




IEPE Low Frequency Measurement Accelerometer

Model NTI-17110



DYNAMIC

Sensitivity ± 5%	-----	1000mV/g
Measurement Range	-----	± 5 g peak
Broadband Resolution	-----	10 µg rms
Amplitude Nonlinearity	-----	1 %
Frequency Range ± 5%	-----	0.06 – 1 kHz
± 10%	-----	0.04 – 1.5 kHz
Resonance Frequency	-----	7 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	-----	≥ 1 x 10 ⁸ Ω

ENVIRONMENT

Maximum Vibration	-----	40 g peak
Maximum Shock	-----	100 g peak
Operation Temperature	-----	-40 to 248°F / -40 to 120°C
Sealing	-----	Welding
Base Strain Sensitivity	-----	0.0002 g/µ strain

PHYSICAL

Sensing Element	-----	Ceramic / Shear
Housing Material	-----	Stainless Steel
Output Connector / Position	-----	Integral Cable
Mounting Thread	-----	M5
Weight	-----	160 gram

ACCESORIES SUPPLIED

- Ø 4.5 mm x 1m Integral Coaxial Cable with BNC Connector
- M5-M5 Mounting Stud
- Calibration Certificate

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

