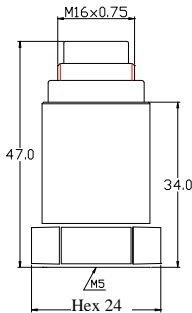




IEPE Industrial Application – Double Case Insulation

Model NTI-14116



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 – 8 kHz
Resonance Frequency	-----	22 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
Case Insulation Resistance	-----	≥ 1 x 10 ⁸ Ω

ENVIRONMENT

Maximum Vibration	-----	400 g peak
Maximum Shock	-----	1000 g peak
Operation Temperature	-----	-40 to 248°F / -40 to 120°C
Sealing	-----	Welding
Base Strain Sensitivity	-----	0.0005 g/μ strain

PHYSICAL

Sensing Element	-----	Ceramic / Shear
Housing Material	-----	Stainless Steel
Output Connector / Position	-----	M16 2-pin / Top
Mounting Thread	-----	M5
Weight	-----	85 gram

ACCESORIES SUPPLIED

- Ø 4.5 mm x 1 m Double Twist Shield Cable with M16 / BNC Connectors
- M5 – M5 Mounting Stud
- Calibration Certificate

Note: Mounting thread can be changed to English 1/4-28 thread by request.

Typical Sensitivity Thermal Response

