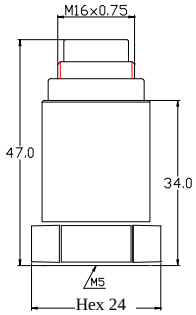
IEPE Industrial Application – Double Case Insulation

Model NTI-15116



DYNAMIC

Sensitivity ± 10%	200 mV/g
Measurement Range	± 25 g peak
Broadband Resolution	50 μg rms
Amplitude Nonlinearity	1 %
Frequency Range ± 10%	0.5 – 5 kHz
Resonance Frequency	16 kHz
Transverse Sensitivity	≤5 %

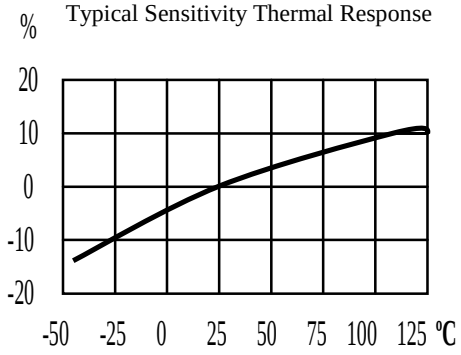
ELECTRICAL

Excitation Voltage	18 - 30 VDC
Constant Current Excitation	2 – 20 mA
Output Impedance	≤ 100 Ω
Output Bias Voltage	12 VDC
Spectral Noise (10 Hz)	6 μg /√Hz
(100 Hz)	2 μg /√Hz
(1000 Hz)	1.5 μg /√Hz
Case Insulation Resistance	≥ 1 x 10^8 Ω

ENVIRONMENT

Maximum Vibration	150 g peak
Maximum Shock	300 g peak
Operation Temperature	-40 to 248°F / -40 to 120°C
Sealing	Welding
Base Strain Sensitivity	0.0005 g/μ strain

Typical Sensitivity Thermal Response



PHYSICAL

Sensing Element	Ceramic / Shear
Housing Material	Stainless Steel
Output Connector / Position	M16 2-pin / Top
Mounting Thread	M5
Weight	90 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.

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