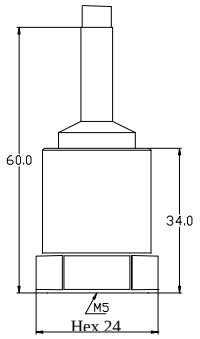
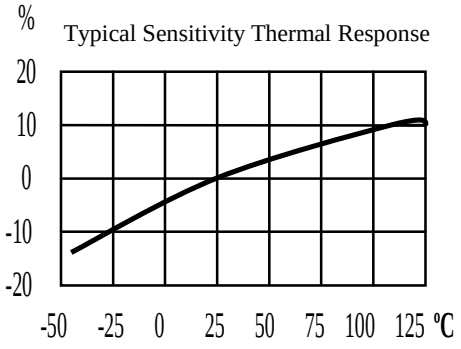
# IEPE Industrial Application – Double Case / Integral Cable

## Model NTI-14118




### DYNAMIC

| | |
|---|---|
| Sensitivity ± 5% | 100 mV/g |
| Measurement Range | ± 50 g peak |
| Broadband Resolution | 0.0001 g rms |
| Amplitude Nonlinearity | 1 % |
| Frequency Range ± 10% | 0.3 – 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 | Integral Cable |
| Mounting Thread | M5 |
| Weight | 92 gram |

### ACCESORIES SUPPLIED

Ø 4.5 mm x 1 m Integral Double Twist Shield Cable with BNC Connector
M5 – M5 Mounting Stud
Calibration Certificate

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