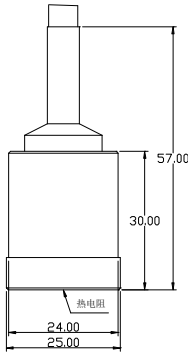




## IEPE Industrial Application – Double Case / Magnetic Base

### Model NTI-14125



#### DYNAMIC

Sensitivity $\pm 5\%$	-----	100 mV/g
Measurement Range	-----	$\pm 50$ g peak
Broadband Resolution	-----	0.0001 g rms
Amplitude Nonlinearity	-----	1 %
Frequency Range $\pm 5\%$	-----	0.5 – 4 kHz
$\pm 10\%$	-----	0.3 – 5 kHz
Resonance Frequency	-----	14 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 $\mu\text{g} / \sqrt{\text{Hz}}$
Case Insulation Resistance	-----	$\geq 1 \times 10^8 \Omega$

#### 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	-----	0.002 g/ $\mu$ strain

#### PHYSICAL

Sensing Element	-----	Ceramic / Shear
Housing Material	-----	Stainless Steel
Output Connector / Position	-----	Integral Cable
Mounting Thread	-----	Magnetic Base
Weight	-----	115 gram

#### ACCESORIES SUPPLIED

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

