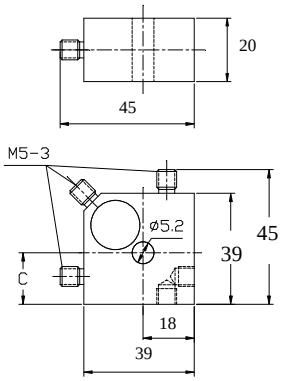
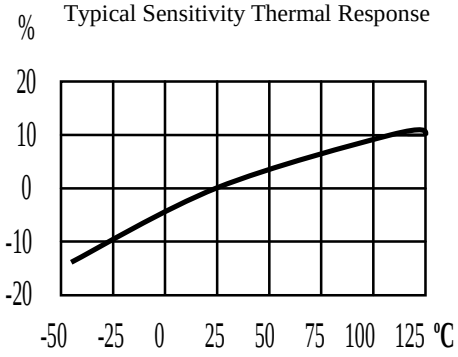
IEPE Tri-Axial Measurement Accelerometer

Model NTI-16500



Typical Sensitivity Thermal Response



DYNAMIC

Sensitivity ± 5%	500 mV/g
Measurement Range	± 10 g peak
Broadband Resolution	20 μg rms
Amplitude Nonlinearity	1 %
Frequency Range ± 5%	0.5 – 1.5 kHz
± 10%	0.3 – 2 kHz
Resonance Frequency	8 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)	2.4 μg /√Hz
(100 Hz)	0.8 μg /√Hz
(1000 Hz)	0.6 μg /√Hz

ENVIRONMENT

Maximum Vibration	80 g peak
Maximum Shock	200 g peak
Operation Temperature	-40 to 248°F / -40 to 120°C
Sealing	Welding
Base Strain Sensitivity	0.008 g/μ strain

PHYSICAL

Sensing Element	Ceramic / Shear
Housing Material	Stainless Steel
Output Connector / Position	M5 / Side
Mounting Thread	M5 Through Hole
Weight	200 gram

ACCESORIES SUPPLIED

Ø 2 mm x 1 m Low Noise Cable with M5 - BNC Connectors
M5 Through Hole Mounting Screw
Calibration Certificate

Note: Output connector and mounting screw can be changed to English 10-32 thread by request.

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