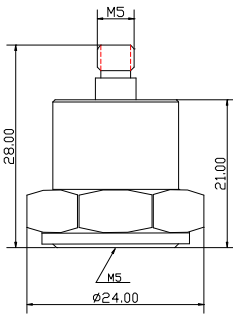




Railway Car Monitoring Accelerometer

Model NTI-24101



DYNAMIC

Sensitivity	-----	30 pC/g
Measurement Range	-----	± 1500 g peak
Amplitude Nonlinearity	-----	1 %
Frequency Range $\pm 5\%$	-----	0.5 – 6 kHz
Resonance Frequency	-----	24.5 kHz
Transverse Sensitivity	-----	≤ 5 %

ELECTRICAL

Capacitance	-----	610 pF
Sensing Insulation Resistance	-----	$\geq 1 \times 10^{11} \Omega$
Mounting Ground Insulation Resistance	-----	$\geq 1 \times 10^8 \Omega$

ENVIRONMENT

Maximum Vibration	-----	2000 g peak
Maximum Shock	-----	2500 g peak
Operation Temperature (Domestic Ceramic)	---	-40 to 320°F / -40 to 160°C
Temperature Response	-----	See Graph
Sealing	-----	Welding
Base Strain Sensitivity	-----	0.0008 g/ μ strain

PHYSICAL

Sensing Element	-----	Ceramic / Shear
Housing Material	-----	Stainless Steel
Output Connector / Position	-----	M5 / Top
Mounting Thread	-----	M5
Weight	-----	32 gram

ACCESSORIES SUPPLIED

- Ø 2 mm x 1 m Low Noise Cable with M5 / M5 Connectors
- M5 - M5 Mounting Stud
- Calibration Certificate

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

