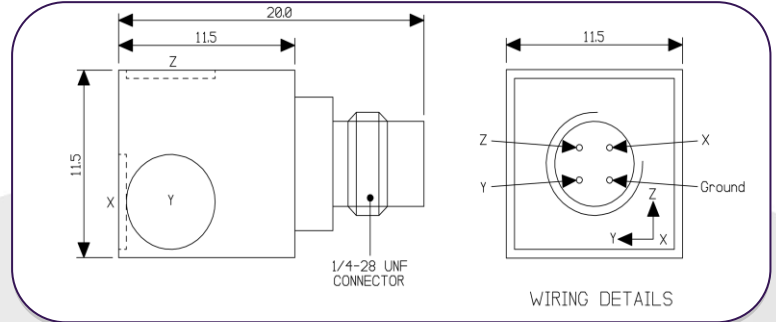


## AT/01 Miniature Piezoelectric Triaxial Accelerometer

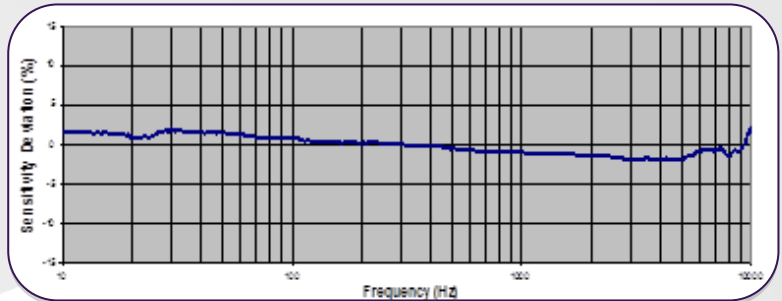
2pC/g nom.      6.8gm      200°C Max Temp.



A lightweight miniature triaxial vibration transducer comprising of three charge output piezo-electric accelerometer elements mounted orthogonally within a titanium block. The use of the Konic shear independent sensing elements ensures a rugged and repeatable triaxial measurement under the most extreme conditions. This design will outperform single element devices. The AT/01 uses high temperature piezo-ceramics as standard to ensure thermal stability. Using the industry standard ¼-28 UNF 4 pin connector for a single cable connection, cable assemblies of any length can be provided breaking out to 3 BNC plugs.



### Typical Frequency Response



	Metric	Imperial
Sensitivity @ 20°C nom.	0.20pC/(m/s <sup>2</sup> )	2pC/g
Resonant Frequency kHz	≥58kHz	≥58kHz
Cross Axis Error % max	<5	<5
Typical Frequency range (Z Axis) (±5%)	1 to 8kHz	1 to 8kHz
Typical Frequency range (X/Y Axis)	1 to 8kHz	1 to 8kHz
Temperature Range	-50/ +200°C	-58/ +392°F
Voltage Sensitivity re 20°C	-5% @ -50°C +5% @ +200°C	-5% @ -58°F +5% @ +392°F
Base Strain Sensitivity	<0.01 g/μ strain	<0.01 g/μ strain
Max Continuous accn.g sine	49,033m/s <sup>2</sup>	5000g
Max Shock g pK, rise time μsec	98,100m/s <sup>2</sup> , 30	10000g, 30
Case Material	Titanium	Titanium
Mounting	Adhesive	Adhesive
Weight	6.8g	0.24oz
Case Seal	Welded	Welded
Connector	¼-28UNF 4 pin	¼-28UNF 4 pin
Size	11.5 x 11.5 x 11.5mm	0.45 x 0.45 x 0.45in