



AT/08 Ultra Miniature Piezoelectric Triaxial Accelerometer

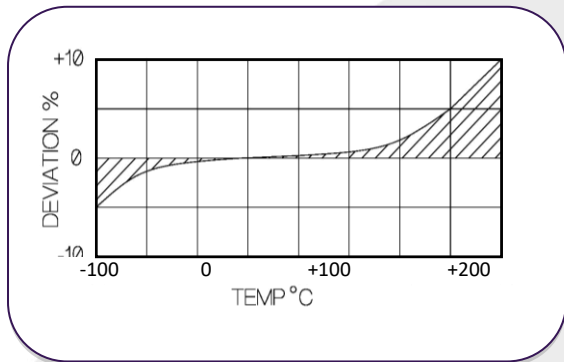
0.4pC/g nom. 1.2gm 200°C Max Temp

An Ultra-lightweight miniature triaxial vibration transducer comprising of three voltage output piezo-electric accelerometer elements mounted orthogonally within a titanium block. It makes use of the independent shear plate sensing elements, ensuring a rugged and repeatable triaxial measurement under the most extreme conditions. This design will outperform single element devices. The AT/08 uses high temperature piezo-ceramics as standard to ensure thermal stability.

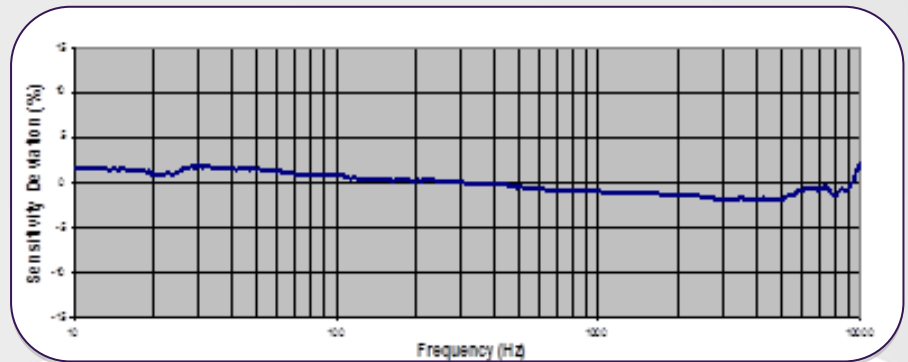
The accelerometer features a 1m integral cable which terminates with the industry standard 1/4-28 UNF socket. It can also be supplied with three 10/32 microdot sockets labelled X, Y and Z.

Extension cable assemblies of any length can be provided breaking out to 3 BNC plugs. Standard sensitivity is nominally 0.4pC/g. The AT/08 triaxial IEPE accelerometer can also be specified as a low outgassing accelerometer

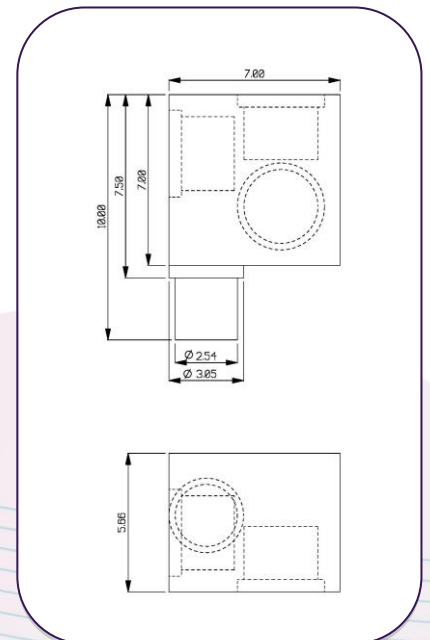
Temperature Response



Typical Frequency Response



	Metric	Imperial
Charge Sensitivity @ 20°C nom.	0.04pC/(m/s ²)	0.4pC/g
Resonant Frequency	58kHz	
Cross Axis Error	≤5%	
Typical Frequency response ±5%	1Hz - 9kHz	
±10%	0.7Hz – 10kHz	
Temperature Range	-50/ +200°C	-58/ +392°F
Base Strain Sensitivity	≤ 5%	
Charge sensitivity deviation (20°C / 68°F)	-5% @ -50°C +5% @ +125°C	-5% @ -58°F +10% @ +392°F
Max Continuous accn.g sine	49033m/s ²	5000g
Capacitance	450 pF	
Max Shock g pK., rise time μ sec	98100m/s ² , 30	10000g, 30
Case Material	Titanium	
Mounting	Adhesive	
Weight	1.2g	0.04oz
Size	7 x 7 x 5.66mm	0.27 x 0.29 x 0.22in
Case Seal	Welded	
Connector	1m low noise Integral Cable with ¼-28 UNF sockets or 10-32 UNF Microdots	3.28ft low noise Integral Cable with ¼-28 UNF sockets or 10-32 UNF Microdots



Please note: For information and reference only. Data should not be used as pass / fail criteria for calibration purposes

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