

AT/10 Miniature Triaxial Piezo-Tronic IEPE Accelerometer

1mV/g up to 100mV/g ±10%

6.9gm

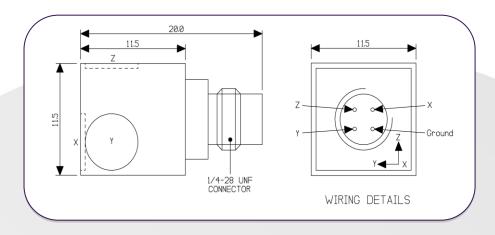
125°C Max Temp (185°C HT)



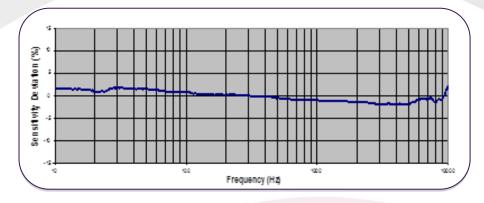
A lightweight miniature triaxial IEPE vibration transducer comprising of three voltage output piezo-electric accelerometer elements mounted orthogonally within a titanium block. The use of independent Konic Shear sensing elements ensures a rugged and repeatable triaxial measurement under the most extreme conditions. This design will outperform single element devices. The AT/10 uses high temperature piezo-ceramics as standard to ensure thermal stability. Using the industry standard 1/4-28 UNF 4 pin connector for a single cable connection, cable assemblies of any length can be provided breaking out to 3 BNC plugs.

The AT/10 is available with DJB's unique high temperature IEPE solution capable of testing up to 185°C as an option.

Standard sensitivity options are 1mV/g up to 100mV/g



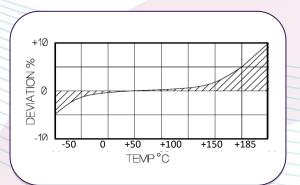
Typical Frequency Response



Temperature Response



1Hz 650μg/VHz 10Hz 174μg/VHz 100Hz 32μg/VHz 1kHz 12μg/VHz 10kHz 7μg/VHz



DJB Instruments (UK) Ltd

Finchley Avenue, Mildenhall, Suffolk IP28 7BG Tel Email Web +44 (0)1638 712 288 sales@djbinstruments.com www.djbinstruments.com





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	Metric			Imperial		
Voltage Sensitivity @ 20°C mV/g ±10%	0.51mV/(m/s ²)	1.02 mV/(m/s²)	10.2 mV/(m/s²)	5mV/g	10mV/g	100mV/g
Resonant Frequency kHz	≥58kHz			≥58kHz		
Cross Axis Error % max	≤5			≤5		
Typical Frequency range (±5%) (X/Y/Z Axis) (±10%)	1Hz to 7kHz 0.7Hz to 9kHz	1Hz to 7kHz 0.7Hz to 9kHz	15Hz to 7kHz 10Hz to 9kHz	1Hz to 7kHz 0.7Hz to 9kHz	1Hz to 7kHz 0.7Hz to 9kHz	15Hz to 7kHz 10Hz to 9kHz
Temperature Range	-50/ +125°C (+185°C HT)			-58/ +257°F (+365°F HT)		
Voltage Sensitivity re 20°C/68°F	-5% @ -50°C +5% @ +125°C +10% @ +185°C			-5% @ -58°F +5% @ +257°F +10% @ +365°C		
Excitation Current	2-20mA			2-20mA		
Max Continuous accn.g sine	49,033m/s ²			5000g		
Saturation limit (equiv. g)	9,806m/s	² 4,903 m/s ²	190 m/s ²	1000g	500g	50g
Supply Voltage VDC	15V to 35V standard			15V to 35V standard		
Bias Voltage VDC (20.C)	9 to 10VDC			9 to 10VDC		
Case Material	Titanium			Titanium		
Mounting	Adhesive			Adhesive		
Weight	6.9gm			0.24oz		
Case Seal	Welded			Welded		
Connector	1/4-28UNF 4 pin			1/4-28UNF 4 pin		
Size	11.5 x 11.5 x 11.5mm			0.45 x 0.45 x 0.45in		

A UK company with UK-based manufacturing, assembly and calibration in-house.