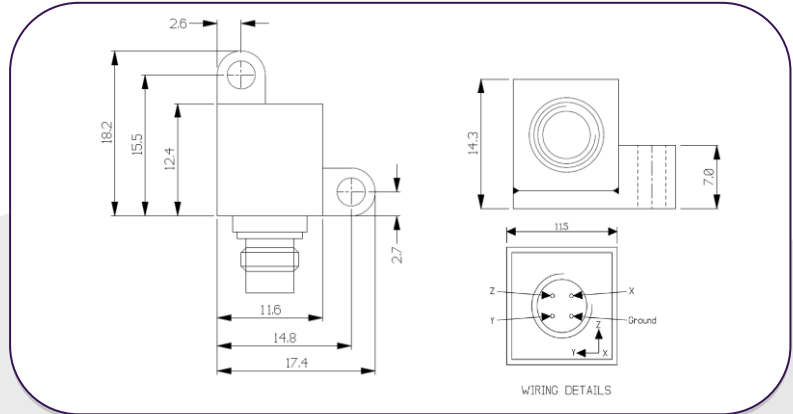




AT/01/F Miniature Piezoelectric Triaxial Accelerometer

2pC/g nom. 9.9gm 200°C Max Temp.

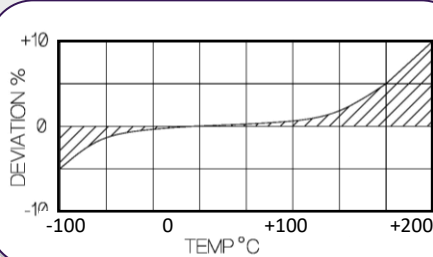
A lightweight miniature triaxial vibration transducer comprising of three charge output piezo-electric accelerometer elements mounted orthogonally within a titanium block. The use of the Konic Shear independent sensing elements ensures a rugged and repeatable triaxial measurement under the most extreme 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 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.



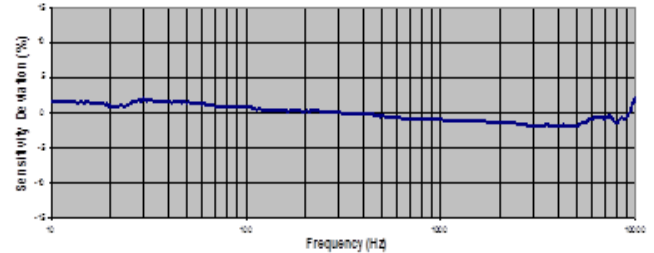
Options

- AT/01** Side entry, 200°C
- AT/01/F** Side entry, flanged, 200°C
- AT/01/TB** Side entry, 200°C, tapped base

Temperature Response



Typical Frequency Response



	Metric	Imperial
Charge sensitivity @ 20°C nom.	0.20pC/(m/s ²)	2pC/g
Resonant Frequency	.58kHz	
Typical Frequency Response	±5% 1Hz – 7kHz ±10% 0.7Hz – 8kHz	
Cross Axis Error	≤5% max	
Temperature Range	-50/ +200°C	-58/ +392°F
Charge sensitivity deviation (20°C/68°F)	-5% @ -50°C +5% @ +250°C	-5% @ -58°F +5% @ +482°F
Base Strain Sensitivity	≤ 5%	
Max Continuous accn.g sine	49,033m/s ²	5000g
Max Shock g pK, rise time µsec	98,100m/s ² , 30	10000g, 30
Case Material	Titanium	
Mounting	2x M3 mounting screws	
Weight	9.9g	0.35oz
Case Seal	Welded	
Size	11.5 x 11.5 x 11.5mm	0.45 x 0.45 x 0.45in
Connector	1/4-28UNF 4 pin	

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

DJB Instruments (UK) Ltd

Finchley Avenue,
Mildenhall, Suffolk IP28 7BG

Tel +44 (0)1638 712 288
Email sales@djbinstruments.com
Web www.djbinstruments.com

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

DJB Iss.3 2018



FM11310