

AT/04, AT/04/TB Tri-axial Piezoelectric Accelerometer

5pC/g nom.

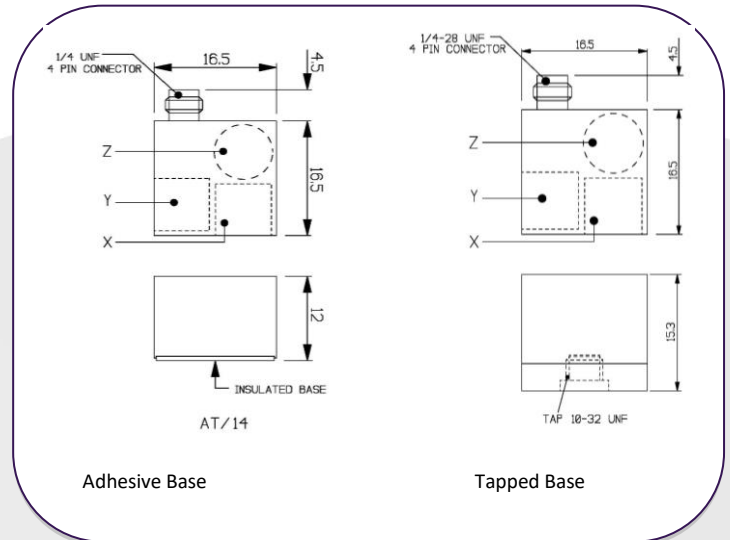
11.5/18gm

Max Temp 200 °C



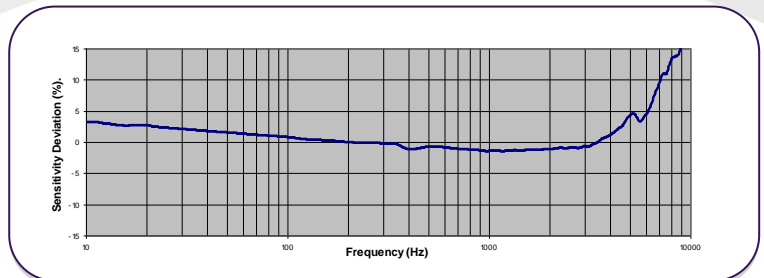
A lightweight tri-axial vibration transducer comprising of three charge output Konic shear piezoelectric sensing elements mounted orthogonally within a titanium block with fully welded construction. The AT/04 is based upon the A/24 single axis sensing element and maybe considered as an alternative to the A/31 or A/34. However, the latter by virtue of being a grouping of single axis devices, are repairable and in addition the physical separation of the cable leads to visible signal axis traceability.

With a 4 pin connector available with standard or ruggedized single cables with three BNC labelled breakout leads the AT/04 is well suited to Automotive/Aerospace applications.

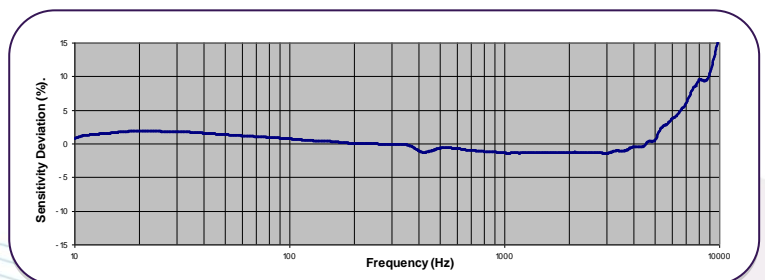


Typical Frequency Response

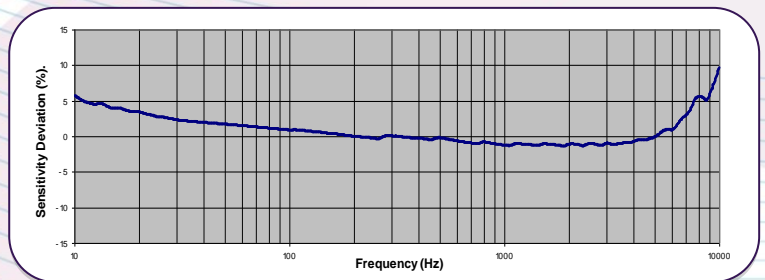
X Axis



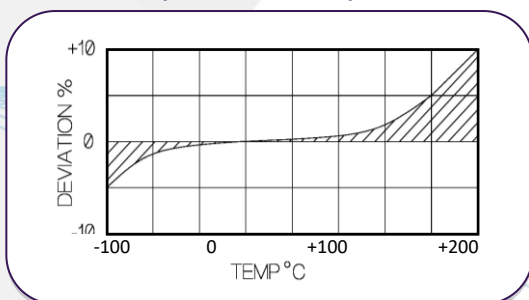
Y Axis



Z Axis



Temperature Response



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

DJB Iss.2





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Max Temp 200 °C

	Metric	Imperial
Charge Sensitivity @ 20°C	0.51pC/(m/s ²)	5pC/g
Capacitance pF	600/ 900	600/ 900
Resonant Frequency kHz	Z Axis 33 kHz X/ Y Axis 20 kHz	Z Axis 33 kHz X/ Y Axis 20 kHz
Typical Frequency range (±5%)	1 to 6kHz	1 to 6kHz
Cross Axis Error % max	5	5
Temperature Range	-50/ +250°C	-58/ +482°F
Base Strain Sensitivity	<0.01 g/μ strain	<0.01 g/μ strain
Max Continuous accn.g sine	49,033m/s ²	5000
Max Shock g pK., rise time μ sec	10000, 30	10000, 30
Case Material	Titanium	Titanium
Mounting	Adhesive or Tapped 10/32UNF	Adhesive or Tapped 10/32UNF
Weight	11.5g AT/04, 18g AT/04/TB	0.41oz AT/04, 0.63oz AT/04/TB
Case Seal	Welded	Welded
Connector	4 pin ¼-28 UNF	4 pin ¼-28 UNF
Size	16.5 x 16.5 x 12mm AT/04 16.5 X 16.5 X 15.3mm AT/04/TB	0.65 X 0.65 X 0.47in AT/04 0.65 x 0.65 x 0.60in AT/04/TB