

ATI/04 Triaxial Piezoelectric Accelerometer

5pC/g nom.

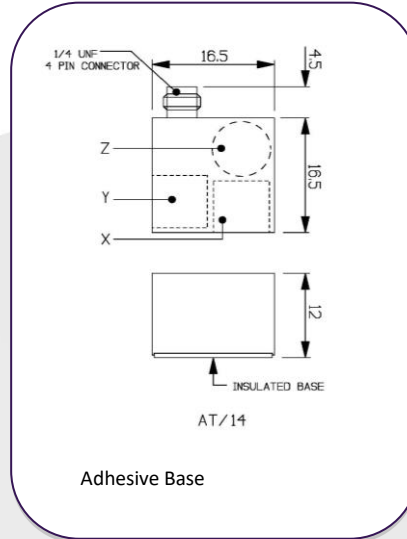
13gm

Max Temp 250 °C



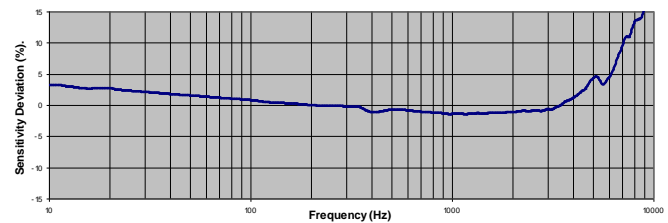
A lightweight tri-axial vibration transducer comprising of three charge output Konic Shear piezoelectric sensing elements mounted orthogonally within a titanium block with fully welded construction. The ATI/04 is based upon the A/24 single axis sensing element and maybe considered as an alternative to 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 4pin connector available with standard or ruggedized single cables with three BNC labelled breakout leads the ATI/04 is well suited to Automotive/Aerospace applications.

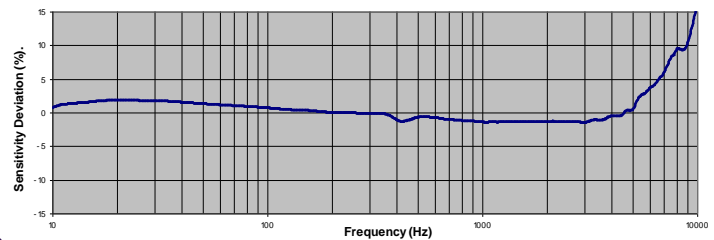


Typical Frequency Response

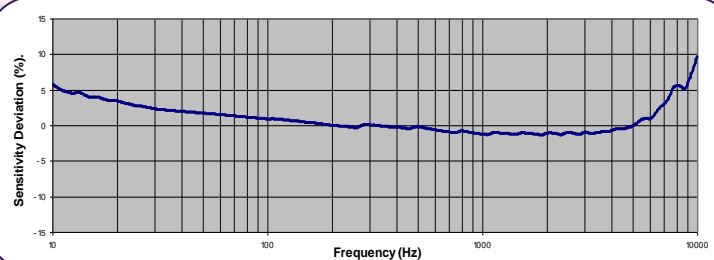
X



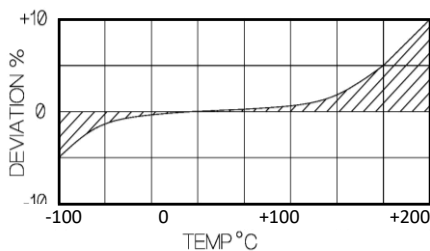
Y



Z



Temperature Response



Options:

- AT/04
- AT/04/TB
- ATI/04

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@djbstruments.com
Web www.djbstruments.com

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

DJB Iss.1.2018



FM11310



ATI/04 Triaxial Piezoelectric Accelerometer

5pC/g nom.

13gm

Max Temp 250 °C

	Metric	Imperial
Charge Sensitivity @ 20°C	0.51pC/(m/s ²)	5pC/g
Resonant Frequency kHz	Z Axis 33 kHz	X/ Y Axis 20 kHz
Typical Frequency response ±5%	1Hz - 6kHz 0.7Hz – 7kHz	
Cross Axis Error	≤5%	
Capacitance	600/ 900 pF	
Insulation Resistance	10 ¹⁰ Ω at 250V	
Temperature Range	-50/ +250°C	-58/ +482°F
Base Strain Sensitivity	≤ 5%	
Max Continuous accn.g sine	49033m/s ²	5000
Max Shock g pK, rise time	10000, 30	
Case Material	Titanium	
Mounting	Adhesive or Tapped 10/32UNF hole	
Weight	13g	0.46oz
Case Seal	Welded	
Size	16.5 x 16.5 x 12mm	0.65 X 0.65 X 0.47in
Connector	4 pin ¼-28 UNF	

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

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

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

DJB Iss.1 2018

