

## AT/04 Triaxial Piezoelectric Accelerometer

Inc. integrated Ceramic isolating base

5pC/g nom.

13gm

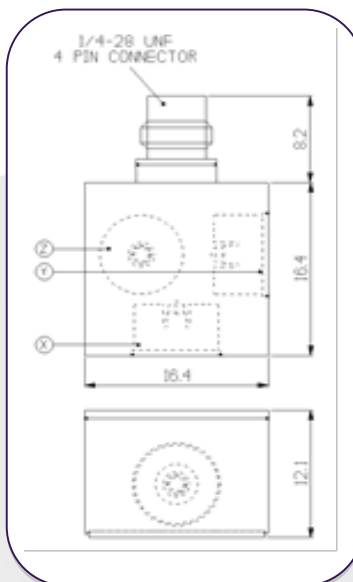
Max Temp 250 °C



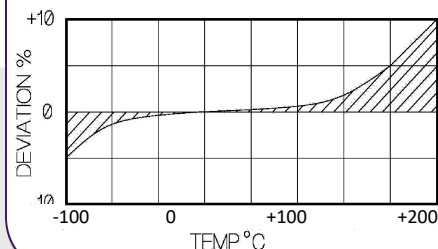
A lightweight general purpose PE charge output tri-axial vibration transducer comprising of three charge output Konic Shear® piezoelectric sensing elements mounted orthogonally within a titanium block with fully welded construction. The AT/04 is one of only 3 PE charge output single connector accelerometers in the world, all produced by DJB Instruments. This is possible due to the unique low noise four core cable supplied by DJB to reduce triboelectric noise.

With a 4pin 1/4-28UNF industry standard connector the AT/04 is available with standard or ruggedized cables with three BNC labelled breakout leads. The AT/04 is well suited to Automotive / Aerospace applications. The AT/04 benefits from an integrated ceramic isolating base for complete ground isolation.

Operation at -70°C is possible with a deviation of ±10/15%



### Temperature Response



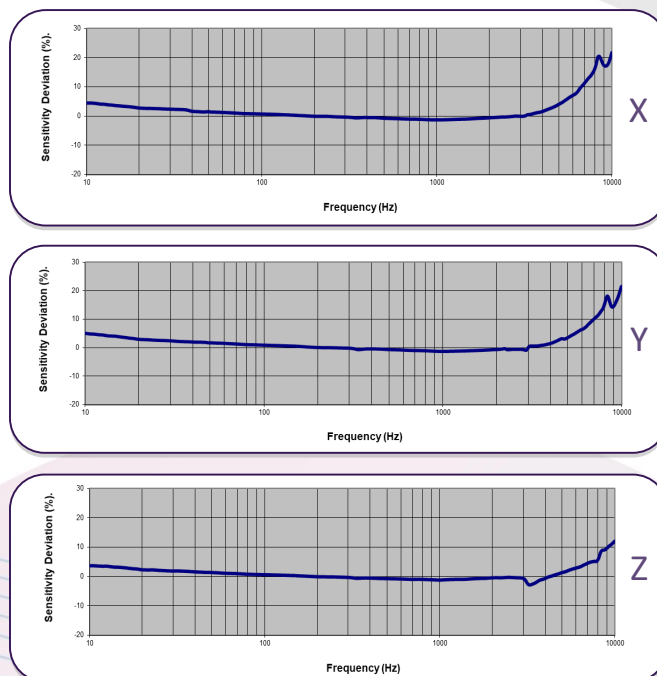
### Options:

AT/04 – Side entry,

AT/04/TB – side entry, tapped base

	Metric	Imperial
Sensitivity @ 20°C nom.	0.51pC/(m/s <sup>2</sup> )	5pC/g
Resonant Frequency kHz	Z Axis 33 kHz	X/ Y Axis 20 kHz
Typical Frequency. ±5% Response ±10%	1Hz - 6kHz 0.7Hz – 7kHz	
Cross Axis Error	≤5%	
Capacitance	600/ 900 pF	
Amplitude Non Linearity	≤1%	≤1%
Temperature Range	-50/ +250°C	-58/ +482°F
Base Strain Sensitivity	≤0.01g/μ strain	
Max Shock g pK, rise time	10000, 30	
Case Material	Titanium	
Isolated Mounting	Integrated ceramic base for isolated mounting	
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 1/4-28 UNF	

### Typical Frequency Response



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

**peak**  
DISTRIBUTOR

t: 616-773-2872  
e: sales@peak-g.com



ISO 9001 – 00025363