

AT/01/TB

Tri-axial charge accelerometer

2pC/g, Side Entry 1/4-28 UNF Connector, 5-40 UNC Tapped Base



KEY FEATURES

- ✓ 0.7Hz to 8kHz frequency range
- ✓ 2pC/g nominal sensitivity
- ✓ Titanium case
- ✓ 8.3 grams

INCLUDED WITH DEVICE

- ✓ SM/05 Mounting Stud

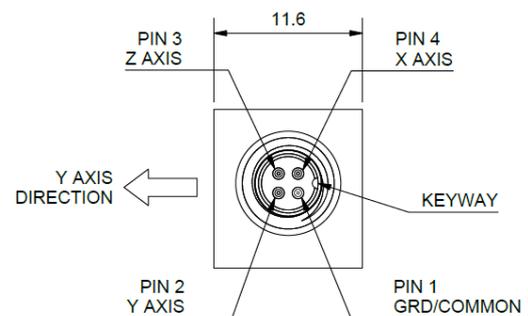
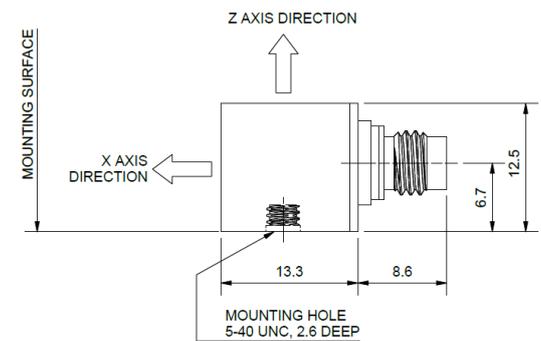
DEVICE OPTIONS

- ✓ Extended low & high frequency calibration
- ✓ AT/01 adhesive mount
- ✓ Alternative/additional stud options

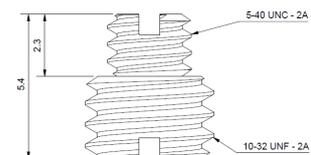
CABLE OPTIONS

- ✓ 4S-1/ET25-LN/27/4F/3T18/3/BC1 - 4 pin socket, low-noise cable ending in 3x BNC, 3 metres
- ✓ Other options and lengths available

AT/01/TB ACCELEROMETER DIMENSIONS



SM/05 MOUNTING STUD DIMENSIONS



All measurements in millimeters (mm)

TECHNICAL SPECIFICATIONS

Performance

Charge Sensitivity	2pC/g nominal
Frequency Response ($\pm 5\%$)	1Hz - 7kHz
Frequency Response ($\pm 10\%$)	0.7Hz - 8kHz
Resonant Frequency	≥ 58 kHz
Base Strain Sensitivity	≤ 0.01 g/ $\mu\epsilon$
Cross-Axis Error	$\leq 5\%$

Electrical

Capacitance ($\pm 10\%$)	270pF
Connector	1/4 UNF, 4 pin

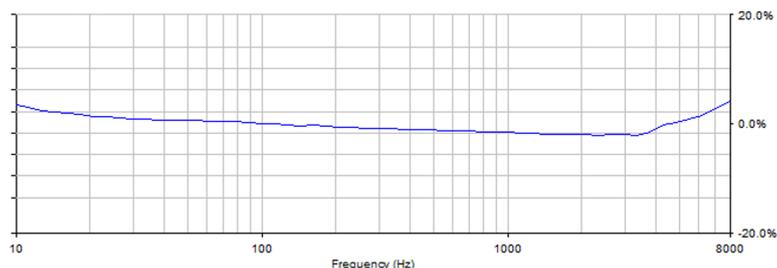
Physical

Case Material	Titanium
Mounting	5-40 UNC tapped base
Recommened Mounting Torque	0.8Nm
Weight	8.3 grams
Size (mm)	13.3 x 11.6 x 12.5mm
(Inches)	0.52 x 0.46 x 0.49"

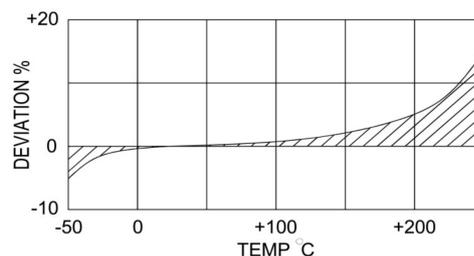
Environmental

Temperature Range ($^{\circ}\text{C}$)	-55°C to $+200^{\circ}\text{C}$
($^{\circ}\text{F}$)	-67°F to $+392^{\circ}\text{F}$
Maximum Shock	10000g
Total Mass Loss (TML)	$< 0.1\%$

TYPICAL FREQUENCY RESPONSE



TYPICAL THERMAL RESPONSE



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SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

ALL DEVICES CALIBRATED IN ACCORDANCE WITH BS ISO 16063-21:2003. ALL DEVICE CALIBRATIONS ARE UKAS TRACEABLE.