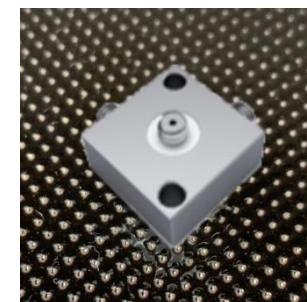
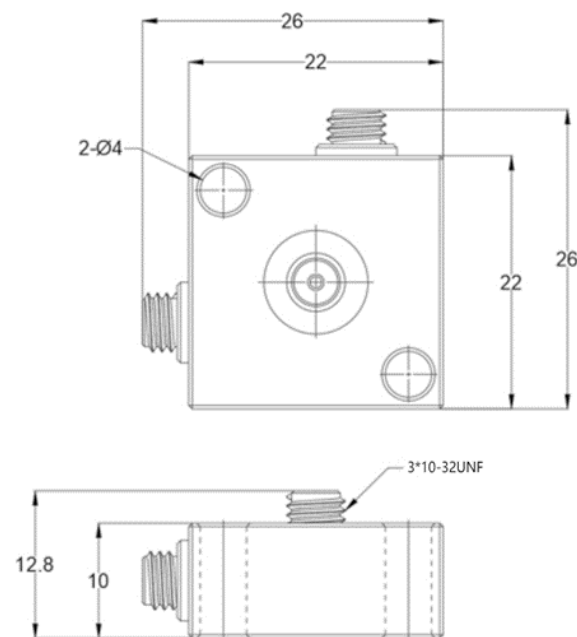


- General Purpose Piezoelectric Triaxial Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 5pC/g
- Mass – 15grams
- 3 x 10-32UNF connectors
- Use with a Low noise cable

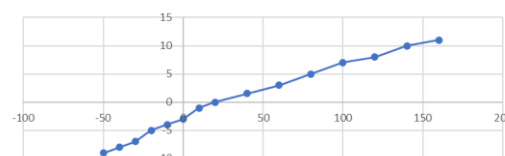
The GCT5-T is a general purpose Triaxial piezoelectric accelerometer with three side entry 10/32UNF microdot connectors.

The accelerometer has two through holes for mounting via studs. Featuring a shear design PZT-5 sensing element the GCT5-T provides high accuracy up to 9kHz

Specification	Metric	Imperial
Sensitivity	0.5pC/(m/s ²)	5pC/g
Measurement Range (pk)	±19600m/s ²	±2000g
Frequency Range ±10%	9000 Hz	
Resonant Frequency	≥25 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-55 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	500 pF	
Isolation Impedance	≥100GΩ	
Size (excluding connector)	22 x 22 x10 mm	0.87" x 0.87" x0.39"
Weight	15gm	0.53oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Aluminium block	
Connector Position	Side and top	
Case sealing	Welded	
Electrical Connection Type	3 x 10-32UNF Microdot	
Mounting	2 x Ø4mm through hole	



Typical Sensitivity Deviation with Temperature



It is recommended that the GCT5-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

Kemo Limited

First Floor, 33 King Street, Thetford, Norfolk, IP24 2AW, United Kingdom
 +44 (0)1474 705168

www.kemo.com sales@kemo.com

Iss.1 – August 2022