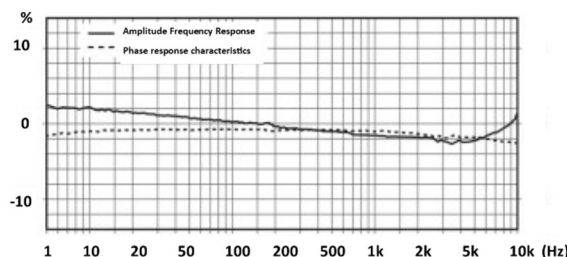
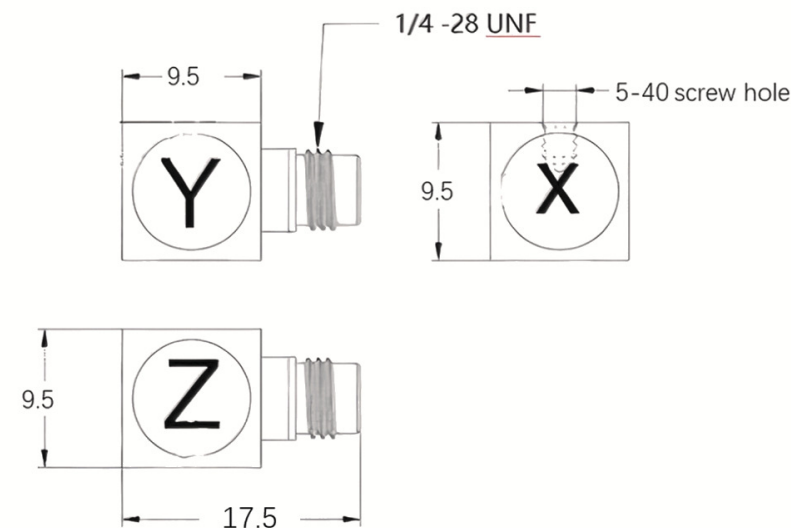


- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 5mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 3.2grams
- 1/4-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

The KVT5S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 9.5mm cube and 3.2grams it has an excellent frequency response. The standard 1/4-28UNF 4 pin connector offers an improved compatibility with customers' existing cables.

Specification	Metric	Imperial
Sensitivity	0.51mV/(m/s <sup>2</sup> )	5mV/g
Measurement Range (pk)	±9800m/s <sup>2</sup>	±1000g
Frequency Range ±10%	(Y, Z) 1 to 9000Hz (X) 1 to 7000Hz	
Resonant Frequency	≥45 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.01m/s <sup>2</sup> rms	0.001g rms
Overload Limit (Shock)	±29400(m/s <sup>2</sup> )pk	±3000gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	9.5x9.5x9.5(mm)	0.37x0.40x0.40 (in)
Weight	3.2gm	0.11oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welded	
Electrical Connection Type	1/4-28UNF 4 pin	
Mounting	5-40UNC tapped base	



Kemo has a range of cable assemblies available for use with the KVT5S-T

- 7F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F82-30 - 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F81-50 - 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 7F81-30 - 3m cable ending in 3 x microdot plugs (X, Y, Z)

### Kemo Limited

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

[www.kemo.com](http://www.kemo.com) [sales@kemo.com](mailto:sales@kemo.com)