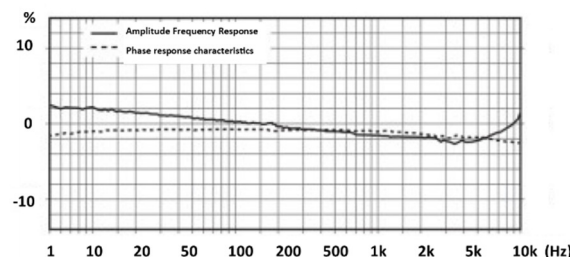
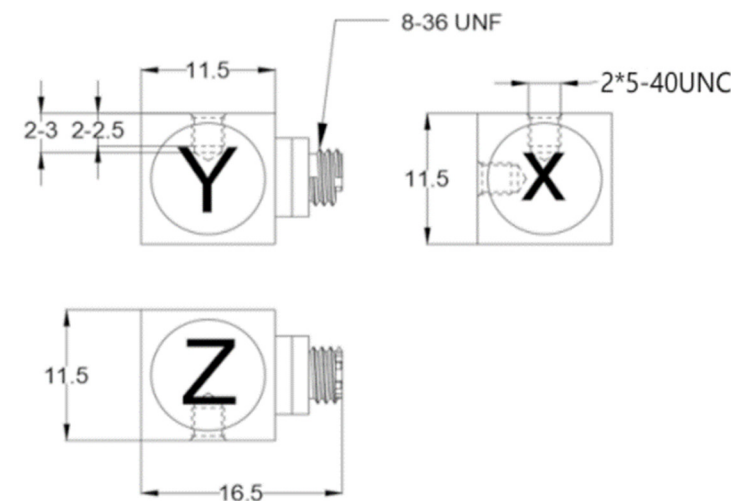


- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 200mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 10grams
- 8-36UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting



The MVT200S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 11.5mm cube and 10 grams it has an excellent frequency response with an increased sensitivity of 200mV/g which is ideal for measuring low level vibration or for use in Modal Testing applications.

Specification	Metric	Imperial
Sensitivity	20.4mV/(m/s <sup>2</sup> )	200mV/g
Measurement Range (pk)	±245m/s <sup>2</sup>	±25g
Frequency Range ±10%	Y, Z Axes: 2 to 10000 Hz X Axis: 2 to 8000Hz	
Resonant Frequency	≥45 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.0005m/s <sup>2</sup> rms	0.00005g 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 – 10mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	11.5x11.5x11.5 (mm)	0.45x0.45x0.45 (in)
Weight	10gm	0.35oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Hermetic	
Electrical Connection Type	Miniature 8-36UNF 4 pin	
Mounting	5-40UNC tapped base on two sides	



Kemo has a range of cable assemblies available for use with the MVT200S-T

- 12F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F82-30 – 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F81-50 – 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 12F81-30 – 3m cable ending in 3 x microdot plugs (X, Y, Z)