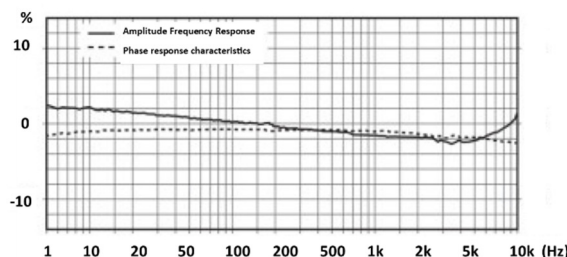
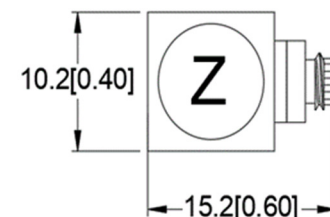
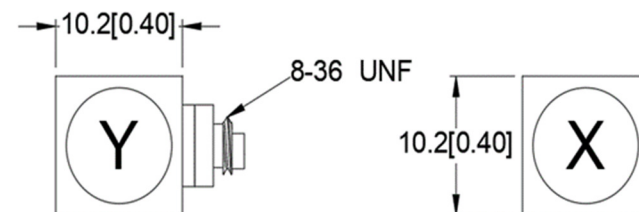


- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 4.2grams
- 8-36UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting



The MVT100S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 10.2mm cube and 4.2 grams it has an excellent frequency response.

Specification	Metric	Imperial
Sensitivity	10.2mV/(m/s ²)	100mV/g
Measurement Range (pk)	±490m/s ²	±50g
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	0.001m/s ² rms	0.0001g rms
Overload Limit (Shock)	±49000(m/s ²)pk	±5000gpk
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)	10.2x10.2x10.2 (mm)	0.40x0.40x0.40 (in)
Weight	4.2gm	0.148oz
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 MVT100S-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)