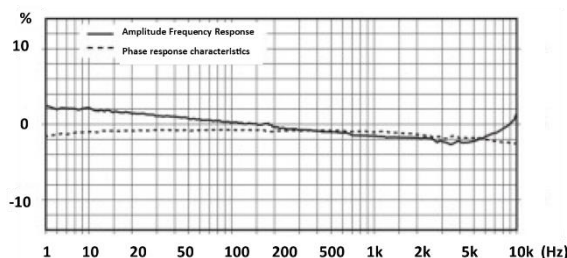
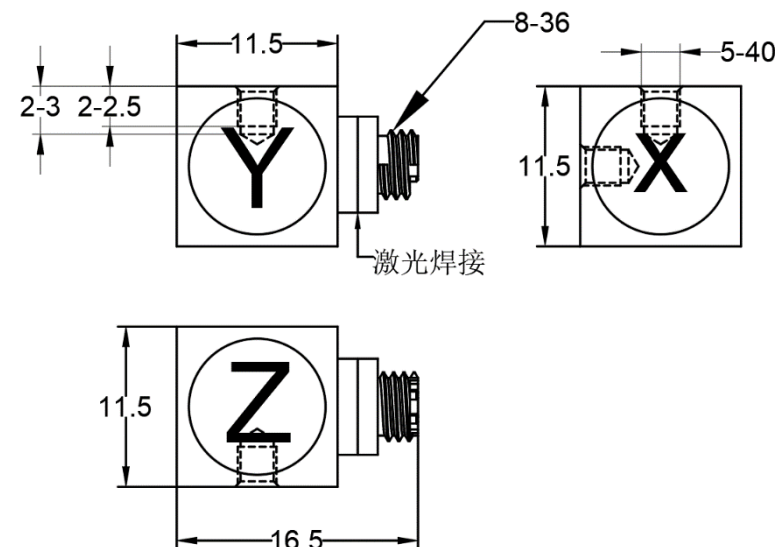


- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 6grams
- 8-36UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

The MVT100S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 11.5mm cube and 6 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) 1 to 8000 Hz (X) 2 to 7000Hz	
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)	11.5x11.5x11.5 (mm)	0.45x0.45x0.45 (in)
Weight	6gm	0.21oz
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)

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