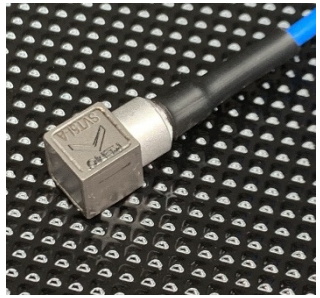
XVT50I-A

Ultra Miniature IEPE Triaxial Accelerometer 50mV/g

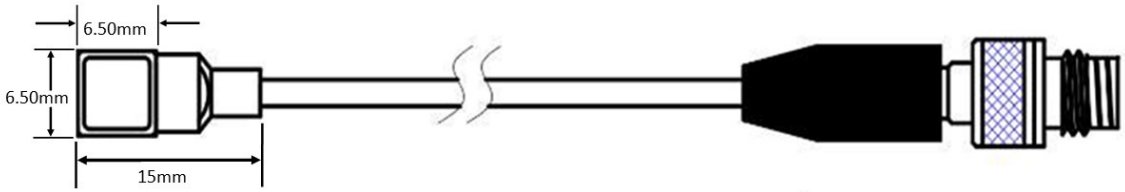
- Ultra Miniature Triaxial IEPE Accelerometer
- Sensitivity – 50mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 1grams
- Integral cable with ¼-28UNF connector
- Flat base for adhesive mounting

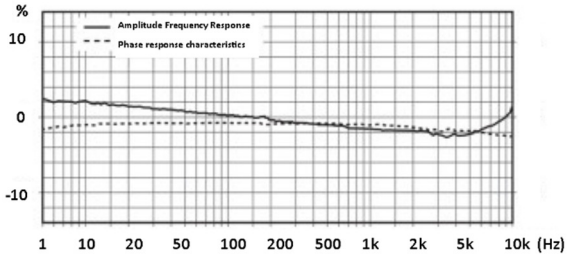


The XVT50I-A is an ultra miniature IEPE triaxial accelerometer weighing just 1gram and providing almost invisible mass effects on the unit under test.

Just 6.50mm cube and featuring a flexible integral cable for minimal vibration response effects the XVT50I-A is a high performance miniature triaxial IEPE accelerometer.

Specification	Metric	Imperial
Sensitivity	5.10mV/(m/s²)	50mV/g
Measurement Range (pk)	±980m/s²	±100g
Frequency Range ±10%	(Y &Z axes) 2 to 10000 Hz X axis 2 to 8000Hz	
Resonant Frequency	≥50 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.002m/s² rms	0.0002g rms
Overload Limit (Shock)	±49000(m/s²)pk	±5000gpk
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)	6.5x6.5x6.5 (mm)	0.26×0.26×0.26 (in)
Weight	1gm	0.035oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welded	
Electrical Connection Type	¼-28UNF 4 pin on end of Integral cable	
Mounting	Flat base for adhesive mounting	





Kemo has a range of cable assemblies available for use with the XVT50I-A

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)

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