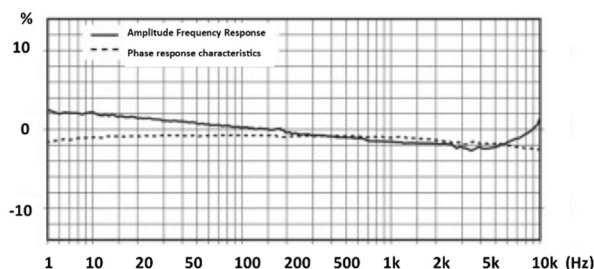
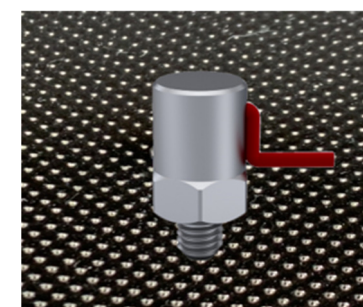
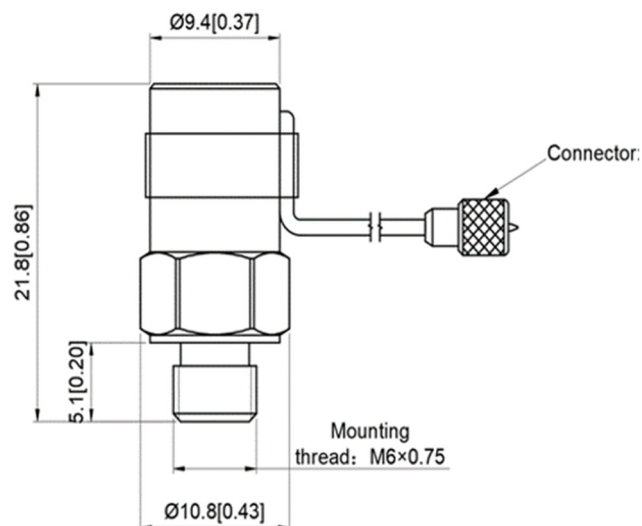


- Shock IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Range ±50000g
- Mass – 6grams
- 1m Integral cable
- M6 integral stud

The VS-50K is an IEPE shock measurement accelerometer offering dedicated shock measurement capability. With a ±50000g range the VS-50K combines the flexibility of IEPE (Integrated Electronics Piezoelectric) technology with the reliability of a robust titanium fully welded construction. Kemo can also offer cables and signal conditioning solutions for use with their full range of accelerometers.

Specification	Metric	Imperial
Sensitivity	0.01mV/(m/s ²)	0.10mV/g
Measurement Range (pk)	±490000m/s ²	±50000g
Frequency Range ±10%	1 to 20000 Hz	
Resonant Frequency	≥100 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±588000(m/s ²) pk	±60000gpk
Operating Temp. Range	-40 to +85°C	-40 to +185°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Output Impedance	≤100Ω	
Size (excluding connector)	10.8mmA/Fx21.8 mm	0.43" A/Fx0.86"
Weight	6gm	0.21oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Laser Welding	
Electrical Connection Type	1m Int. Cable ends in 10/32UNF male plug	
Mounting	M6x0.75 integral stud	



Kemo has a range of cable assemblies available for use with the VS-50K and other IEPE accelerometers.

1B2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
 1B2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
 1B1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
 1B1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

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