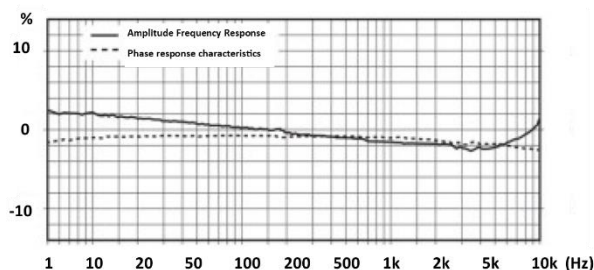
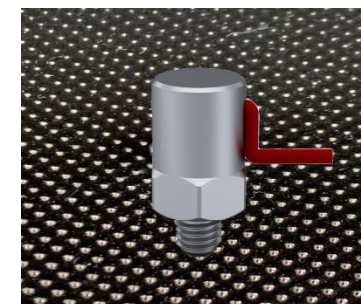
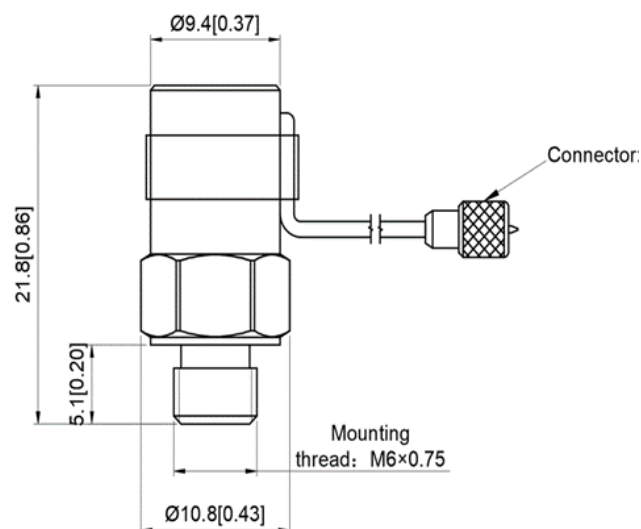


- Shock IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Range  $\pm 100000g$
- Mass – 5.5grams
- 0.5m int. cable with 10/32 Mdot plug
- M6 x 0.75 integral stud

The VS-100K is an IEPE shock accelerometer offering dedicated shock measurement capability. With a  $\pm 100000g$  range the VS-100K 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	0.0051mV/(m/s <sup>2</sup> )	0.05mV/g
Measurement Range (pk)	$\pm 980,000m/s^2$	$\pm 100000g$
Frequency Range $\pm 10\%$	1 to 10000 Hz	
Resonant Frequency	$\geq 30$ kHz	
Non-Linearity	$\leq 1\%$	
Transverse Sensitivity	$\leq 5\%$	
Overload Limit (Shock)	$\pm 1,078,000(m/s^2)pk$	$\pm 110000gpk$
Operating Temp. Range	-40 to +85°C	-40 to +185°F
Polarity $\uparrow$	Positive	
Isolation	Case isolated	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 10mA	
Output Bias Voltage	11VDC $\pm$ 1.5VDC	
Output Impedance	$\leq 100\Omega$	
Size (excluding connector)	10.8mmA/Fx16.7 mm	0.43"A/Fx0.66"
Weight	5.5gm	0.19oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	0.5m Int. cable with 10/32UNF Microdot Plug	
Case sealing	Hermetic	
Electrical Connection Type	10-32UNF Microdot plug	
Mounting	M6 x 0.75 integral stud	



Kemo has a range of cable assemblies available for use with the VS-100K 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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