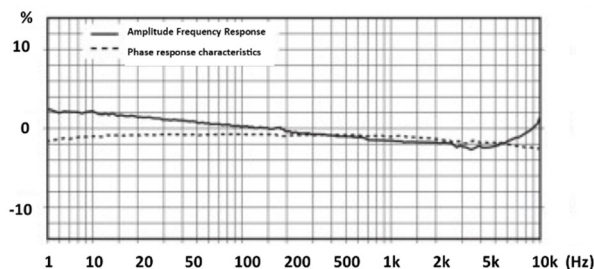
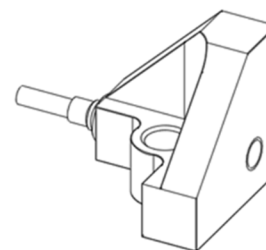
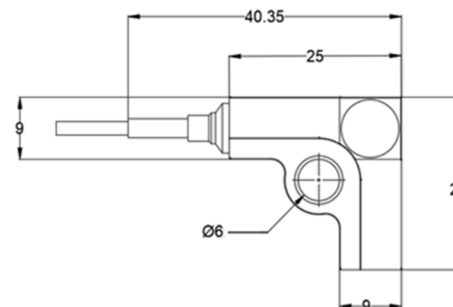


- Shock IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Range  $\pm 20000g$
- Mass 23.5grams
- Integral cable
- $\varnothing 6mm$  Through hole mounting

The VST-20K is an IEPE triaxial shock accelerometer offering dedicated shock measurement capability in three axis. With a  $\pm 20000g$  range the VST-20K 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	0.025mV/(m/s <sup>2</sup> )	0.25mV/g
Measurement Range (pk)	$\pm 196000m/s^2$	$\pm 20000g$
Frequency Range $\pm 10\%$	1 to 10000 Hz	
Resonant Frequency	$\geq 25$ kHz	
Non-Linearity	$\leq 1$ %	
Transverse Sensitivity	$\leq 5$ %	
Overload Limit (Shock)	$\pm 215,700(m/s^2)pk$	$\pm 22000gpk$
Operating Temp. Range	-40 to +85°C	-40 to +185°F
Polarity $\uparrow$	Positive	
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)	25x25x25mm	0.98"x0.98"x0.98"
Weight	23.5gm	0.82oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Hermetic	
Electrical Connection Type	Integral cable ending in 1/4-28UNF 4 pin plug	
Mounting	$\varnothing 6mm$ through hole	



Kemo has a range of cable assemblies available for use with the VST-20K and other IEPE accelerometers.

- 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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