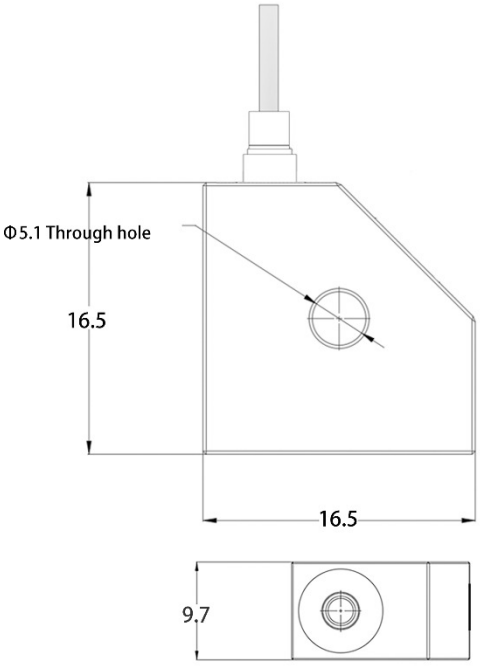
VST-20K

Triaxial Shock IEPE Accelerometer ±20000g

- Shock IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Range ±20000g
- Mass 12grams
- Integral cable
- Ø5.1mm Through hole mounting

The new design of VST-20K is lighter and more compact than its predecessor, offering improved performance as an IEPE triaxial shock accelerometer with dedicated shock measurement capability in three axis. It has a ±20000g range and 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	0.026mV/(m/s²)	0.25mV/g
Measurement Range (pk)	±196000m/s²	±20000g
Frequency Range ±10%	2 to20000 Hz	
Resonant Frequency	≥75 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±490,000(m/s²)pk	±50000gpk
Operating Temp. Range	-55 to +120°C	-67 to +248°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +30 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	16.5x16.5x9.7mm	0.65”x0.65”x0.38”
Weight	12gm	0.42oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welding	
Electrical Connection Type	Integral cable ending in ¼-28UNF 4 pin plug	
Mounting	Ø5.1mm 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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