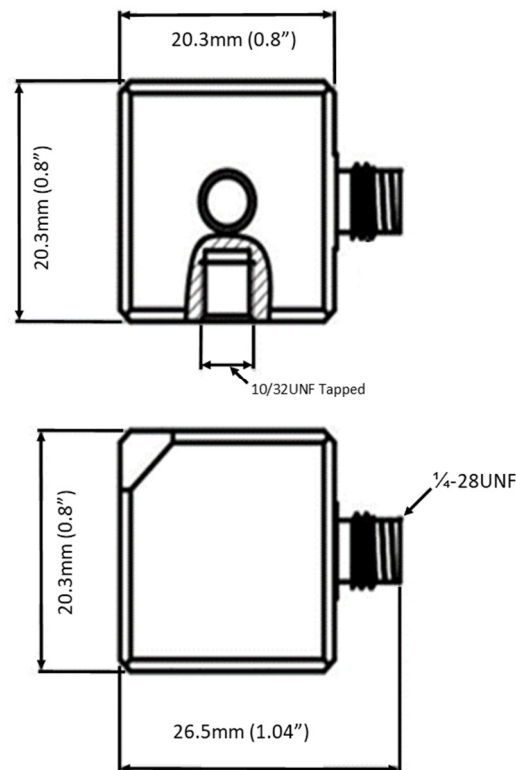


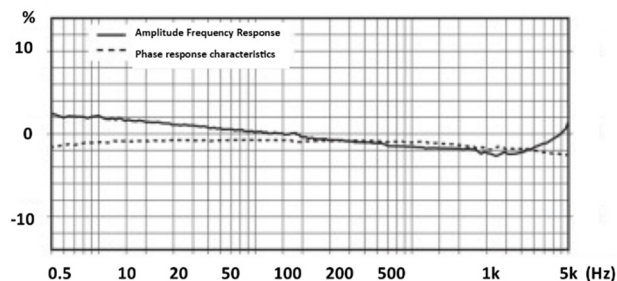
- Triaxial IEPE Accelerometer
- High Sensitivity – 1V/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 40grams
- 1/4-28UNF side entry 4 pin connector
- Tapped base for mounting

Specification	Metric	Imperial
Sensitivity	0.102V/(m/s <sup>2</sup> )	1V/g
Measurement Range (pk)	±49m/s <sup>2</sup>	±5g
Frequency Range ±10%	1 to 4000 Hz	
Resonant Frequency	≥15 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.001m/s <sup>2</sup> rms	0.0001g rms
Overload Limit (Shock)	±490(m/s <sup>2</sup> )pk	±50gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 10mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	20.3x20.3x20.3 (mm)	0.8x0.8x0.8 (in)
Weight	40gm	1.48oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Hermetic	
Electrical Connection Type	1/4-28UNF 4 pin	
Mounting	10/32UNF tapped hole	



The HVT1KS-T is a high sensitivity triaxial IEPE accelerometer for the measurement of broad band vibration at low level amplitudes. It's 1V/g (1000mV/g) sensitivity gives a measurement range of ±5g

Ideally suited to seismic or building vibration studies.



Kemo has a range of cable assemblies available for use with the HVT1KS-T

- 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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