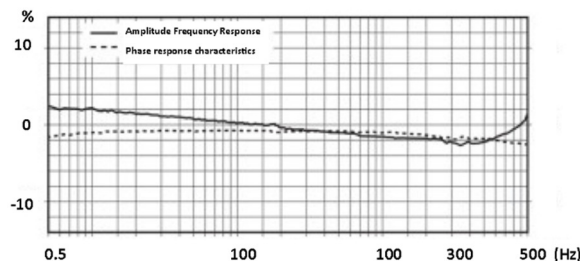
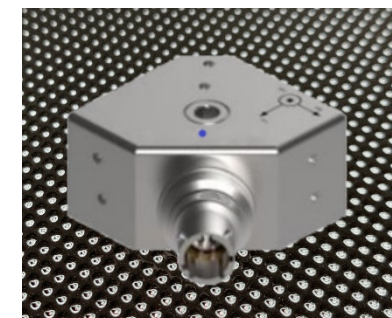
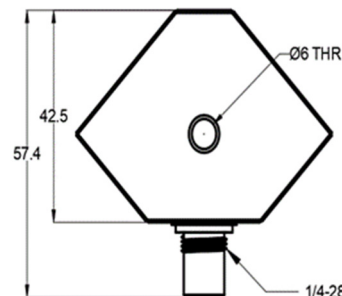
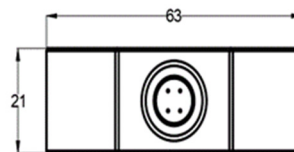


- Triaxial IEPE Accelerometer
- Sensitivity – 1000mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 250grams
- 1/4-28UNF side entry 4 pin connector
- Through hole mounting

The HVT1KS-H is a high sensitivity triaxial IEPE accelerometer for the measurement of low amplitude vibration below  $\pm 5g$  in three axes. With a through hole mounting solution the accelerometer can be positioned with the connector pointing in the direction required. Ideal for ground borne and structural vibration surveys.

Specification	Metric	Imperial
Sensitivity	102.4mV/(m/s <sup>2</sup> )	1000mV/g
Measurement Range (pk)	$\pm 49m/s^2$	$\pm 5g$
Frequency Range $\pm 10\%$	0.5 to 500 Hz	
Resonant Frequency	$\geq 8$ kHz	
Non-Linearity	$\leq 1$ %	
Transverse Sensitivity	$\leq 5$ %	
Electrical Noise Floor	0.0001m/s <sup>2</sup> rms	0.00001g rms
Overload Limit (Shock)	$\pm 980(m/s^2)pk$	$\pm 100gpk$
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 10mA	
Output Bias Voltage	11VDC $\pm$ 1.5VDC	
Size (excluding connector)	45x45x21 (mm)	1.77x1.77x0.82 (in)
Weight	250gm	8.81oz
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	$\varnothing 6mm$ (0.24") through hole	



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

- 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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