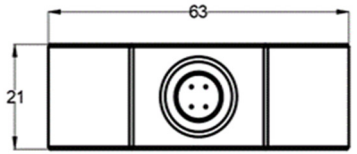
HVT1KS-H

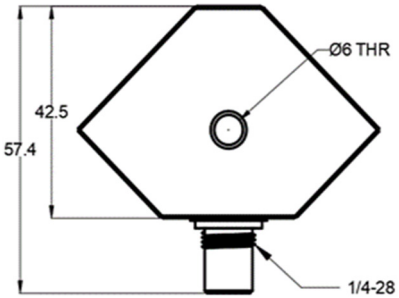
High Sensitivity IEPE Triaxial Accelerometer 1000mV/g

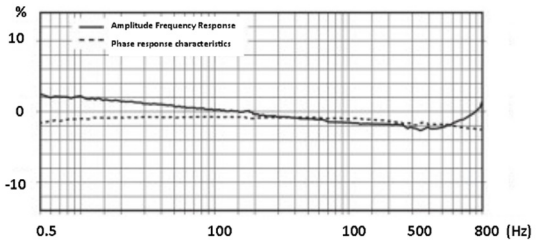
- Triaxial IEPE Accelerometer
- Sensitivity – 1000mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 167grams
- ¼-28UNF side entry 4 pin connector
- Through hole mounting

The HVT1KS-H is a high sensitivity triaxial IEPE accelerometer for the measurement of low amplitude vibration below ±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 bourne and structural vibration surveys.

Specification	Metric	Imperial
Sensitivity	102.4mV/(m/s²)	1000mV/g
Measurement Range (pk)	±49m/s²	±5g
Frequency Range ±10%	(Z) 0.4 to 1000Hz (Y,X)0.5 to 700Hz	
Resonant Frequency	≥8 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.0001m/s² rms	0.00001g rms
Overload Limit (Shock)	±980(m/s²)pk	±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 ± 1.5VDC	
Size (excluding connector)	45x45x21 (mm)	1.77×1.77×0.82 (in)
Weight	167gm	5.89oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Hermetic	
Electrical Connection Type	¼-28UNF 4 pin	
Mounting	Ø6mm (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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Iss.3 – Sept 2023