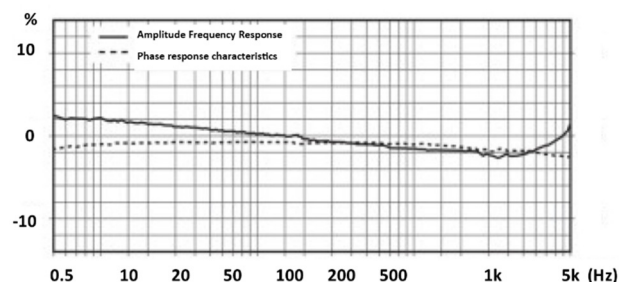
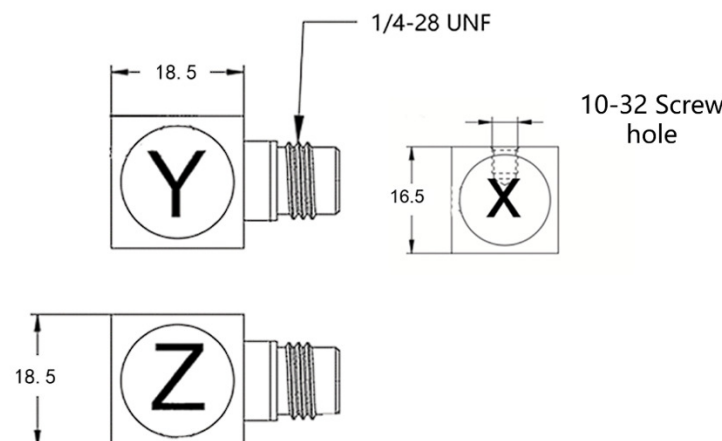


- Triaxial IEPE Accelerometer
- High Sensitivity – 500mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 31grams
- 1/4-28UNF side entry 4 pin connector
- Tapped base for mounting

The HVT500S-T is a high sensitivity triaxial IEPE accelerometer for the measurement of broad band vibration at low level amplitudes. It's 500mV/g sensitivity gives a measurement range of $\pm 10g$ but retains a compact and lightweight body construction, meaning low amplitude vibration can be measured on lightweight structures.

Specification	Metric	Imperial
Sensitivity	51.02mV/(m/s ²)	500mV/g
Measurement Range (pk)	$\pm 98m/s^2$	$\pm 10g$
Frequency Range $\pm 10\%$	(Y, Z) 1 to 3000 Hz (X) 2 to 2000Hz	
Resonant Frequency	≥ 13 kHz	
Non-Linearity	≤ 1 %	
Transverse Sensitivity	≤ 5 %	
Electrical Noise Floor	0.0002m/s ² rms	0.00002g rms
Overload Limit (Shock)	$\pm 1960(m/s^2)pk$	$\pm 200gpk$
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity $\uparrow$	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC $\pm$ 1.5VDC	
Size (excluding connector)	18.5x18.5x16.5(mm)	0.73x0.73x0.65(in)
Weight	31gm	1.09oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welded	
Electrical Connection Type	1/4-28UNF 4 pin	
Mounting	10/32UNF tapped hole	



Kemo has a range of cable assemblies available for use with the HVT500S-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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