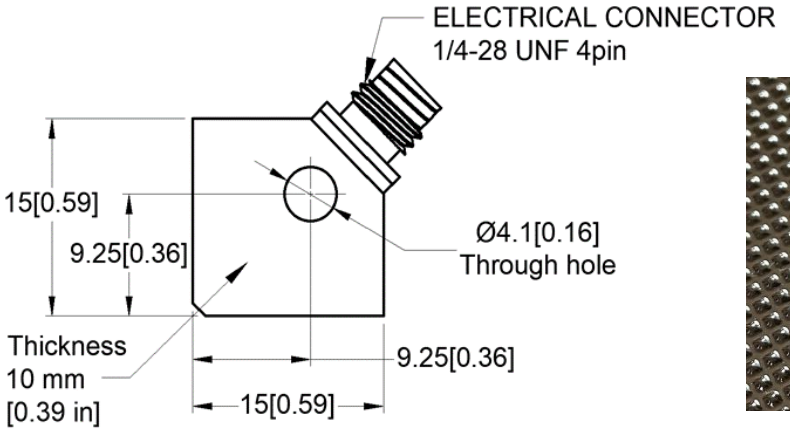
GVT20S-H

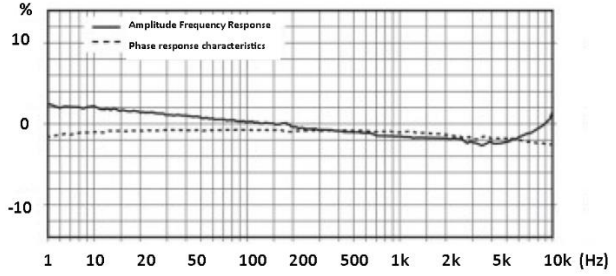
General Purpose IEPE Triaxial Accelerometer 20mV/g

- Triaxial IEPE Accelerometer
- Sensitivity – 20mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 8grams
- ¼-28UNF side entry 4 pin connector
- Through hole mounting

The GVT20S-H is a general purpose triaxial IEPE accelerometer for the measurement of broad band vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder. The Through hole mounting allows for directional control of the connector when mounting.

Specification	Metric	Imperial
Sensitivity	2mV/(m/s²)	20mV/g
Measurement Range (pk)	±2451m/s²	±250g
Frequency Range ±10%	(Z)1 to 10kHz, (X,Y)1 to 8kHz	
Resonant Frequency	≥25 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.005m/s² rms	0.0005g rms
Overload Limit (Shock)	±49000(m/s²)pk	±5000gpk
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)	15x15x10 (mm)	0.59×0.59×0.39 (in)
Weight	8gm	0.282oz
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	Ø4.1mm (0.16") through hole	





Kemo has a range of cable assemblies available for use with the GVT20S-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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