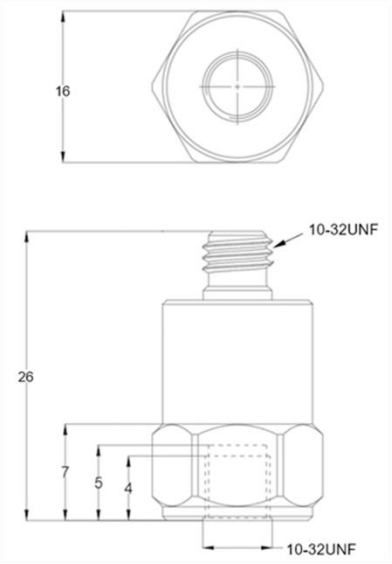
GV500T-T

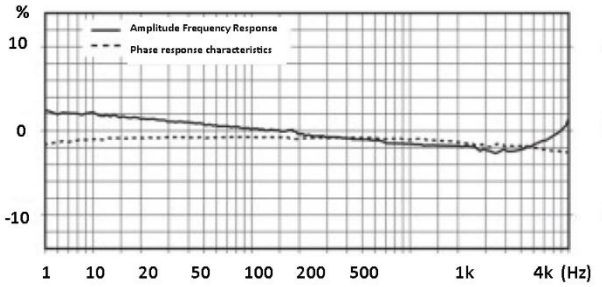
General Purpose IEPE Accelerometer 500mV/g

- General Purpose IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 500mV/g
- Mass – 23grams
- 10-32UNF top entry connector
- 10-32UNF Tapped base

The GV500T-T is a general purpose monoaxial IEPE accelerometer with a top entry 10/32UNF microdot connector and a tapped base for stud mounting.
Featuring a shear design PZT-5 sensing element the GV500T-T is widely used a control accelerometer for vibration shaker testing as well as general vibration measurements where mass is less of an issue.

Specification	Metric	Imperial
Sensitivity	51mV/(m/s²)	500mV/g
Measurement Range (pk)	±98m/s²	±10g
Frequency Range ±10%	0.5 to 5000 Hz	
Resonant Frequency	≥23 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.0002m/s² rms	0.00002g rms
Overload Limit (Shock)	±1,960(m/s²) pk	±200gpk
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	
Output Impedance	≤100Ω	
Size (excluding connector)	16mmA/Fx26 mm	0.61” A/Fx1.02”
Weight	23gm	0.81oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Hermetic	
Electrical Connection Type	10-32UNF Microdot	
Mounting	10-32UNF Tapped base for stud mount	





Kemo has a range of cable assemblies available for use with the GV500T-T and other IEPE accelerometers.

1B2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
1B2-50 – 5m(15ft) 10/32/UNF microdot to BNC plug
1B1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
1B1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

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Iss.2 – January 2024