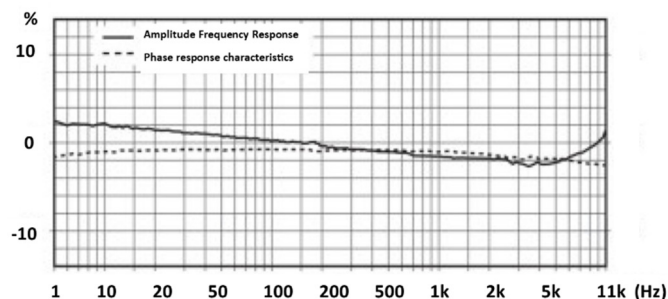
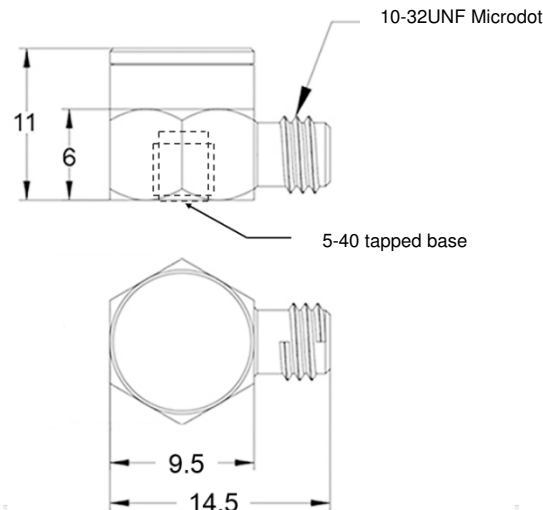


- Miniature cube IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 50mV/g
- Mass – 4grams
- 10/32UNF side entry connector
- Tapped base mount

The MV50S-T is a miniature monoaxial IEPE accelerometer with a side entry 10/32UNF microdot connector and a tapped base for stud mounting or adhesive mounting using one of Kemo's range of mounting bases. Featuring a shear design PZT-5 sensing element the MV50S-T provides high accuracy with wide bandwidth up to 10kHz

Specification	Metric	Imperial
Sensitivity	5.1mV/(m/s <sup>2</sup> )	50mV/g
Measurement Range (pk)	±980m/s <sup>2</sup>	±100g
Frequency Range ±10%	1 to 10000 Hz	
Resonant Frequency	≥50 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.002m/s <sup>2</sup> rms	0.0002g rms
Overload Limit (Shock)	±49000(m/s <sup>2</sup> )pk	±5000gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	9.5x11mm	0.37"x0.43"
Weight	4gm	0.14oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welding	
Electrical Connection Type	10/32UNF Microdot	
Mounting	5-40UNC tapped base	



Kemo has a range of cable assemblies available for use with the MV50S-T and other IEPE accelerometers.

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

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