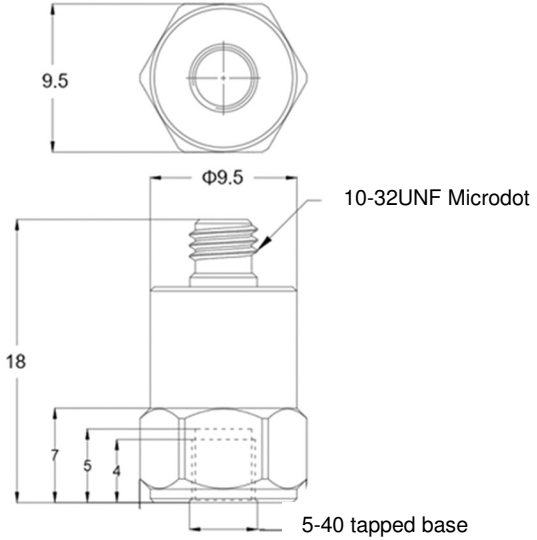
MV10T-T

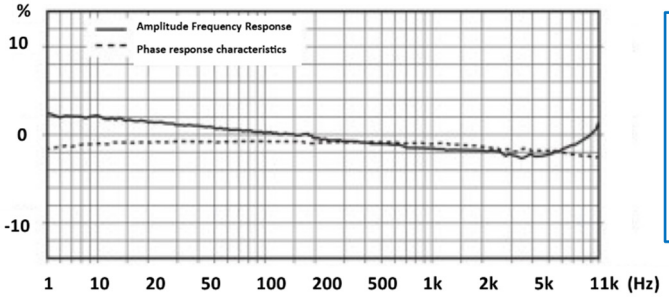
IEPE Accelerometer 10mV/g

- Miniature IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 10mV/g
- Mass – 3.2grams
- 10/32UNF top entry connector
- Tapped base mount

The MV10T-T is a miniature monoaxial IEPE accelerometer with a top 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 MV10T-T provides high accuracy with wide bandwidth up to 10kHz

Specification	Metric	Imperial
Sensitivity	1.02mV/(m/s²)	10mV/g
Measurement Range (pk)	±4900m/s²	±500g
Frequency Range ±10%	1 to 10000 Hz	
Resonant Frequency	≥42 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.01m/s² rms	0.001g rms
Overload Limit (Shock)	±49000(m/s²)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 (including connector)	9.5x18mm	0.37"x0.71"
Weight	3.2gm	0.11oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
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 MV10T-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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