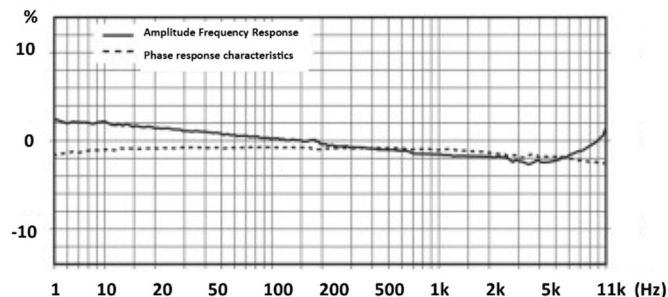
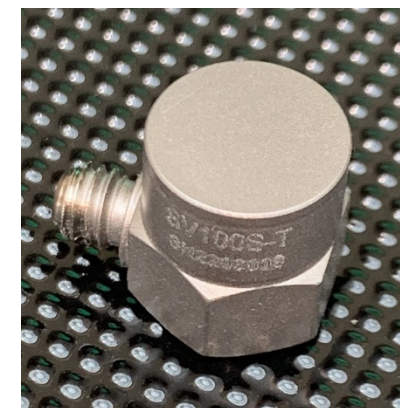
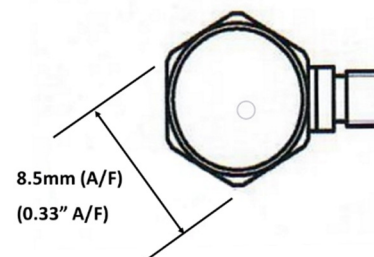
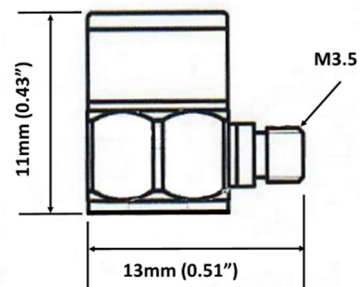


- Sub Miniature IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 10mV/g
- Mass - 3grams
- M3.5 side entry connector
- Adhesive Mount

The SV10S-A is a sub-miniature monoaxial IEPE accelerometer with a side entry M3.5 miniature microdot connector and a flat base for adhesive mounting. Featuring a shear design PZT-5 sensing element the SV10S-A provides high accuracy with wide bandwidth up to 11kHz

Specification	Metric	Imperial
Sensitivity	1.02mV/(m/s <sup>2</sup> )	10mV/g
Measurement Range (pk)	±4900m/s <sup>2</sup>	±500g
Frequency Range ±10%	0.5 to 11000 Hz	
Resonant Frequency	≥50 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.009m/s <sup>2</sup> rms	0.0009g 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 – 10mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	8.5mmA/Fx11 mm	Ø0.33" A/Fx0.43"
Weight	3gm	0.105oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Hermetic	
Electrical Connection Type	M3.5 Miniature Microdot	
Mounting	Flat base for adhesive mounting	



Kemo has a range of cable assemblies available for use with the SV10S-A and other IEPE accelerometers.

13B2-30 – 3m(10ft) M3.5 microdot to BNC plug  
 13B2-50 – 5m(15ft) M3.5 microdot to BNC plug  
 13B1-30 – 3m(10ft) M3.5 mdot to 10/32UNFmdot  
 13B1-50 – 5m(15ft) M3.5 mdot to 10/32UNFmdot

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