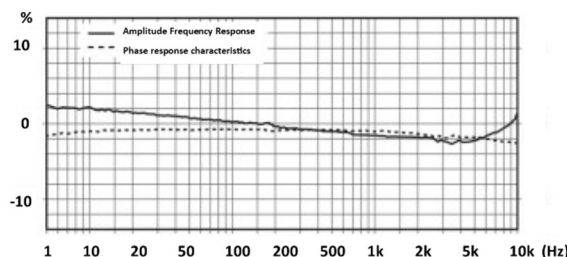
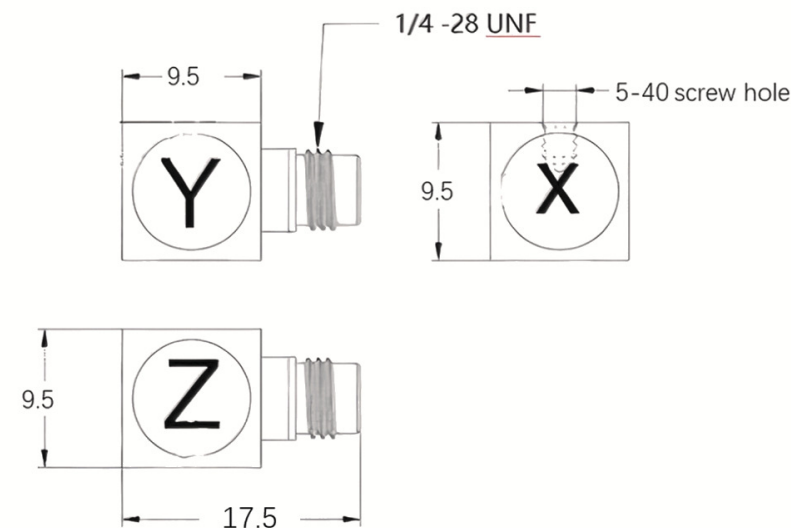


- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 5mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 3.2grams
- 1/4-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

The KVT5S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 9.5mm cube and 3.2grams it has an excellent frequency response. The standard 1/4-28UNF 4 pin connector offers an improved compatibility with customers' existing cables.

Specification	Metric	Imperial
Sensitivity	0.51mV/(m/s ²)	5mV/g
Measurement Range (pk)	±9800m/s ²	±1000g
Frequency Range ±10%	(Y, Z) 1 to 9000Hz (X) 1 to 7000Hz	
Resonant Frequency	≥45 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.01m/s ² rms	0.001g rms
Overload Limit (Shock)	±29400(m/s ²)pk	±3000gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	9.5x9.5x9.5(mm)	0.37x0.40x0.40 (in)
Weight	3.2gm	0.11oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welded	
Electrical Connection Type	1/4-28UNF 4 pin	
Mounting	5-40UNC tapped base	



Kemo has a range of cable assemblies available for use with the KVT5S-T

- 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)

Kemo Limited

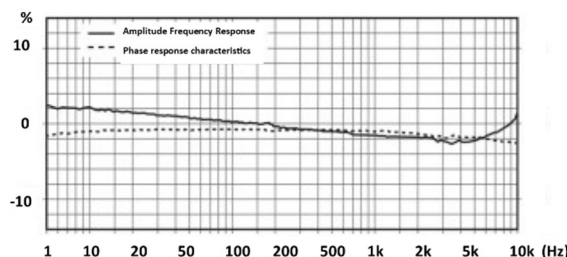
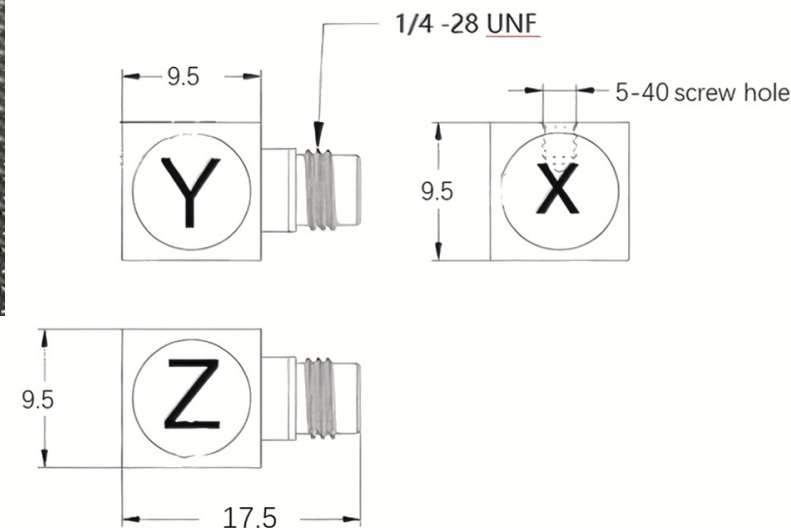
First Floor, 33 King Street, Theford, Norfolk, IP24 2AW, United Kingdom
+44 (0)1474 705168

www.kemo.com sales@kemo.com

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 10mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 3.2grams
- 1/4-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

The KVT10S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 9.5mm cube and 3.2grams it has an excellent frequency response. The standard 1/4-28UNF 4 pin connector offers an improved compatibility with customers' existing cables.

Specification	Metric	Imperial
Sensitivity	1.02mV/(m/s ²)	10mV/g
Measurement Range (pk)	±4900m/s ²	±500g
Frequency Range ±10%	(Y, Z) 1 to 9000Hz (X) 1 to 7000Hz	
Resonant Frequency	≥45 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.01m/s ² rms	0.001g rms
Overload Limit (Shock)	±29400(m/s ²)pk	±3000gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	9.5x9.5x9.5(mm)	0.37x0.40x0.40 (in)
Weight	3.2gm	0.11oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welded	
Electrical Connection Type	1/4-28UNF 4 pin	
Mounting	5-40UNC tapped base	



Kemo has a range of cable assemblies available for use with the KVT10S-T

- 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)

Kemo Limited

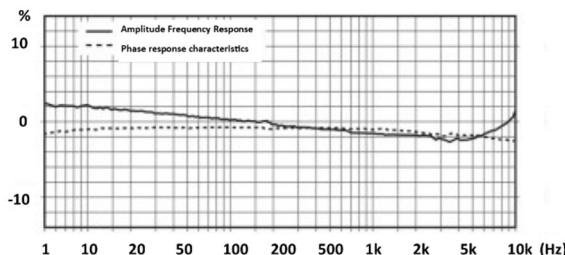
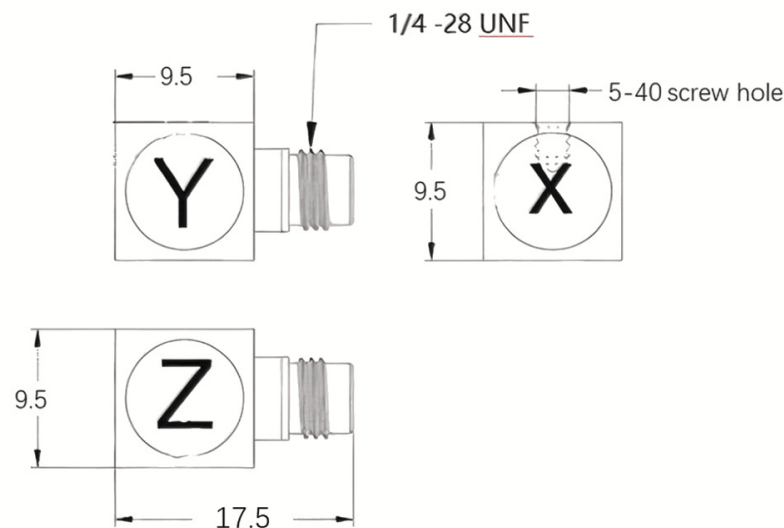
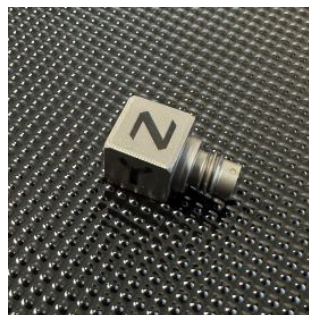
First Floor, 33 King Street, Theford, Norfolk, IP24 2AW, United Kingdom
+44 (0)1474 705168

www.kemo.com sales@kemo.com

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 20mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 3.2grams
- 1/4-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

The KVT20S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 9.5mm cube and 3.2grams it has an excellent frequency response. The standard 1/4-28UNF 4 pin connector offers an improved compatibility with customers' existing cables.

Specification	Metric	Imperial
Sensitivity	2.04mV/(m/s ²)	20mV/g
Measurement Range (pk)	±2450m/s ²	±250g
Frequency Range ±10%	(Y, Z) 1 to 9000Hz (X) 1 to 7000Hz	
Resonant Frequency	≥45 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.005m/s ² rms	0.0005g rms
Overload Limit (Shock)	±29400(m/s ²)pk	±3000gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	9.5x9.5x9.5(mm)	0.37x0.40x0.40 (in)
Weight	3.2gm	0.11oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welded	
Electrical Connection Type	1/4-28UNF 4 pin	
Mounting	5-40UNC tapped base	



Kemo has a range of cable assemblies available for use with the KVT20S-T

- 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)

Kemo Limited

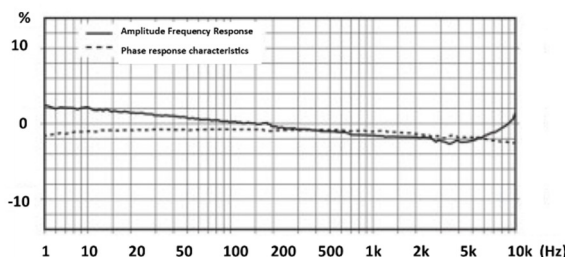
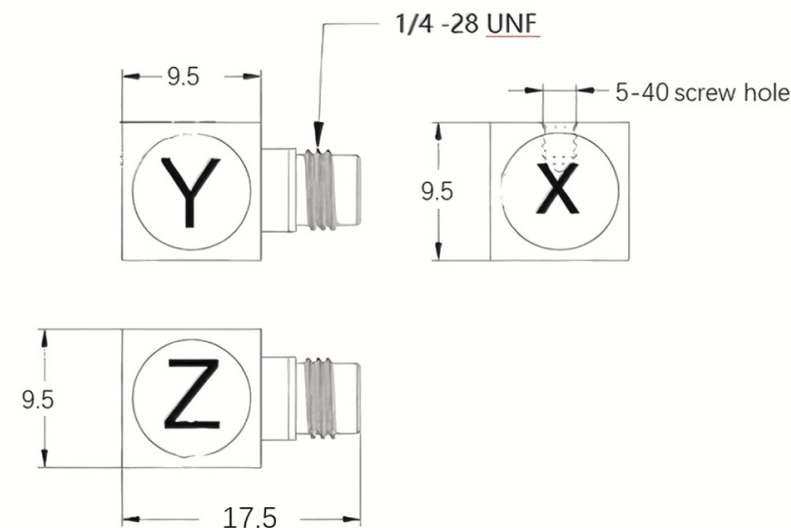
First Floor, 33 King Street, Theford, Norfolk, IP24 2AW, United Kingdom
+44 (0)1474 705168

www.kemo.com sales@kemo.com

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 50mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 3.2grams
- 1/4-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

The KVT50S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 9.5mm cube and 3.2grams it has an excellent frequency response. The standard 1/4-28UNF 4 pin connector offers an improved compatibility with customers' existing cables.

Specification	Metric	Imperial
Sensitivity	5.1mV/(m/s ²)	50mV/g
Measurement Range (pk)	±980m/s ²	±100g
Frequency Range ±10%	(Y, Z) 1 to 9000Hz (X) 1 to 7000Hz	
Resonant Frequency	≥45 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.002m/s ² rms	0.0002g rms
Overload Limit (Shock)	±29400(m/s ²)pk	±3000gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	9.5x9.5x9.5(mm)	0.37x0.40x0.40 (in)
Weight	3.2gm	0.11oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welded	
Electrical Connection Type	1/4-28UNF 4 pin	
Mounting	5-40UNC tapped base	



Kemo has a range of cable assemblies available for use with the KVT50S-T

- 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)

Kemo Limited

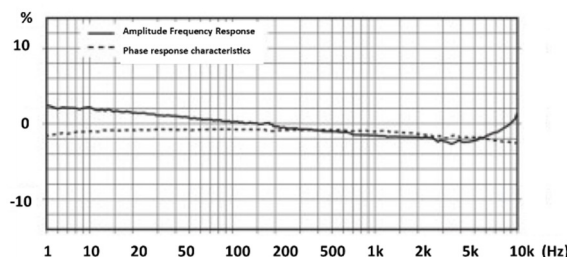
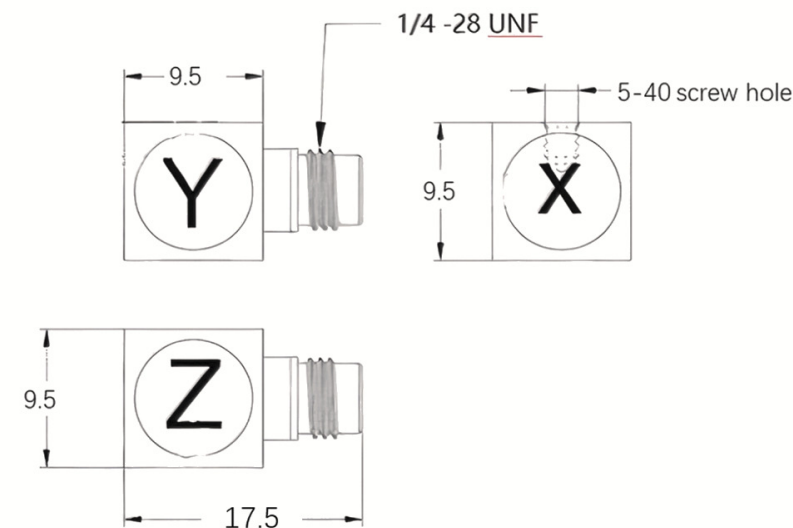
First Floor, 33 King Street, Theford, Norfolk, IP24 2AW, United Kingdom
+44 (0)1474 705168

www.kemo.com sales@kemo.com

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 3.2grams
- 1/4-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

The KVT100S-T is a high sensitivity miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 9.5mm cube and 3.2grams it has an excellent frequency response. The standard 1/4-28UNF 4 pin connector offers an improved compatibility with customers' existing cables.

Specification	Metric	Imperial
Sensitivity	10.2mV/(m/s ²)	100mV/g
Measurement Range (pk)	±490m/s ²	±50g
Frequency Range ±10%	(Y, Z) 1 to 9000Hz (X) 1 to 7000Hz	
Resonant Frequency	≥45 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.001m/s ² rms	0.0001g rms
Overload Limit (Shock)	±29400(m/s ²)pk	±3000gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Size (excluding connector)	9.5x9.5x9.5(mm)	0.37x0.40x0.40 (in)
Weight	3.2gm	0.11oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Laser Welded	
Electrical Connection Type	1/4-28UNF 4 pin	
Mounting	5-40UNC tapped base	



Kemo has a range of cable assemblies available for use with the KVT100S-T

- 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)

Kemo Limited

First Floor, 33 King Street, Theford, Norfolk, IP24 2AW, United Kingdom
+44 (0)1474 705168

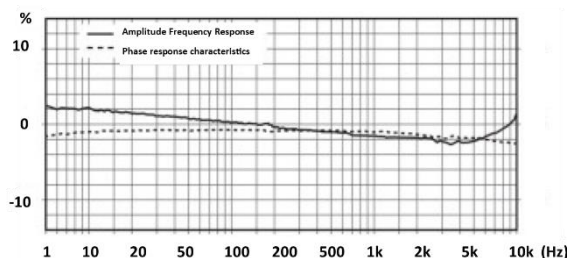
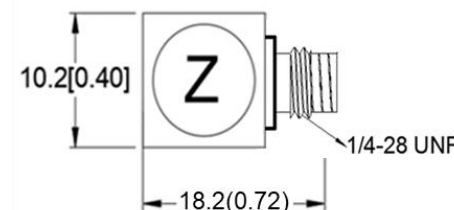
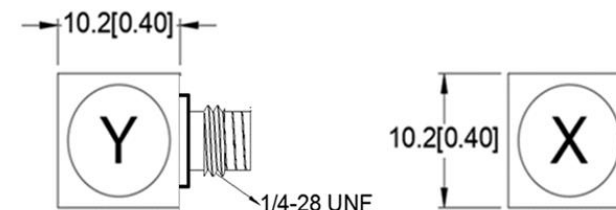
www.kemo.com sales@kemo.com

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 10mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 3.9grams
- ¼-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

Specification	Metric	Imperial
Sensitivity	1.02mV/(m/s ²)	10mV/g
Measurement Range (pk)	±4900m/s ²	±500g
Frequency Range ±10%	(Y, Z) 1 to 8000Hz (X) 1 to 7000Hz	
Resonant Frequency	≥45 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.01m/s ² rms	0.001g rms
Overload Limit (Shock)	±49000(m/s ²)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)	10.2x10.2x10.2 (mm)	0.40x0.40x0.40 (in)
Weight	3.9gm	0.138oz
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	5-40UNC tapped base	



The SVT10S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 10.2mm cube and 3.9 grams it has an excellent frequency response. The standard ¼-28UNF 4 pin connector offers an improved compatibility with customers' existing cables.



Kemo has a range of cable assemblies available for use with the SVT10S-T

- 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)

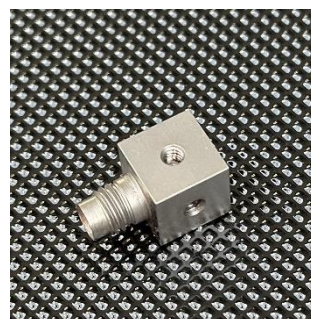
Kemo Limited

First Floor, 33 King Street, Theford, Norfolk, IP24 2AW, United Kingdom
+44 (0)1474 705168

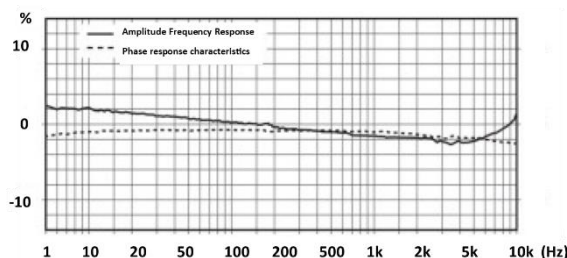
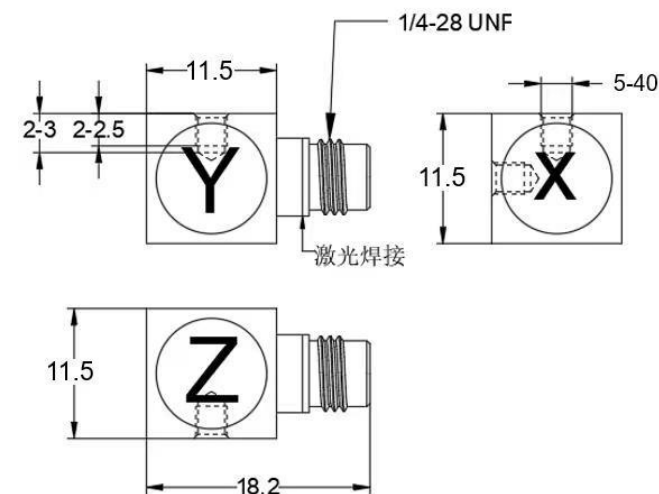
www.kemo.com sales@kemo.com

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 5.8grams
- ¼-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

Specification	Metric	Imperial
Sensitivity	10.2mV/(m/s ²)	100mV/g
Measurement Range (pk)	±490m/s ²	±50g
Frequency Range ±10%	(Y, Z) 1 to 8000 Hz (X) 2 to 7000Hz	
Resonant Frequency	≥45 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.001m/s ² rms	0.0001g rms
Overload Limit (Shock)	±49000(m/s ²)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)	11.5x11.5x11.5 (mm)	0.45x0.45x0.45 (in)
Weight	5.8gm	0.204oz
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	5-40UNC tapped base on two sides	



The SVT100S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 11.5mm cube and 5.8 grams it has an excellent frequency response. Tapped on two sides for ease of mounting.



Kemo has a range of cable assemblies available for use with the SVT100S-T

- 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)

Kemo Limited

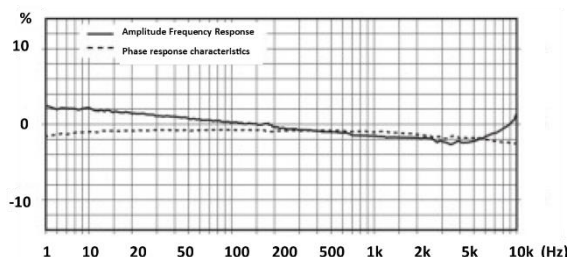
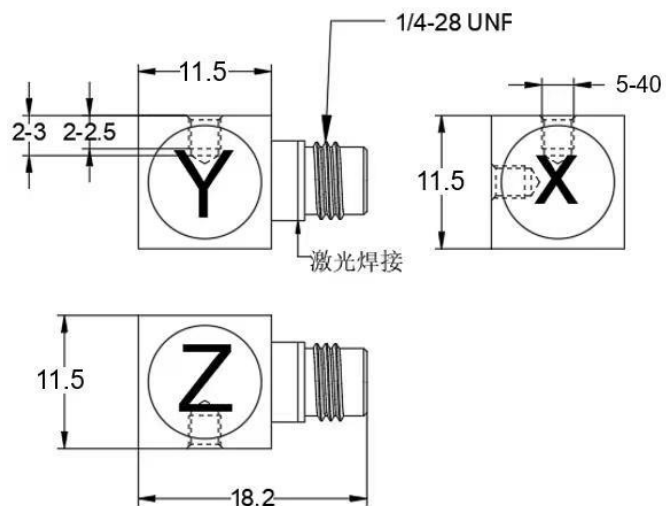
First Floor, 33 King Street, Theford, Norfolk, IP24 2AW, United Kingdom
+44 (0)1474 705168

www.kemo.com sales@kemo.com

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 200mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 10.5grams
- ¼-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

The SVT200S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 11.5mm cube and 10.5grams it has an excellent frequency response with an increased sensitivity of 200mV/g which is ideal for measuring low level vibration or for use in Modal Testing applications.

Specification	Metric	Imperial
Sensitivity	20.4mV/(m/s ²)	200mV/g
Measurement Range (pk)	±245m/s ²	±25g
Frequency Range ±10%	Y, Z Axes: 2 to 7000Hz X Axis: 2 to 6000Hz	
Resonant Frequency	≥40 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.0005m/s ² rms	0.00005g rms
Overload Limit (Shock)	±29400(m/s ²)pk	±3000gpk
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)	11.5x11.5x11.5 (mm)	0.45x0.45x0.45 (in)
Weight	10.5gm	0.37oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Hermetic	
Electrical Connection Type	¼-28UNF 4 pin plug	
Mounting	5-40UNC tapped base on two sides	



Kemo has a range of cable assemblies available for use with the SVT200S-T

- 12F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F82-30 – 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F81-50 – 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 12F81-30 – 3m cable ending in 3 x microdot plugs (X, Y, Z)

Kemo Limited

First Floor, 33 King Street, Theford, Norfolk, IP24 2AW, United Kingdom
+44 (0)1474 705168

www.kemo.com sales@kemo.com