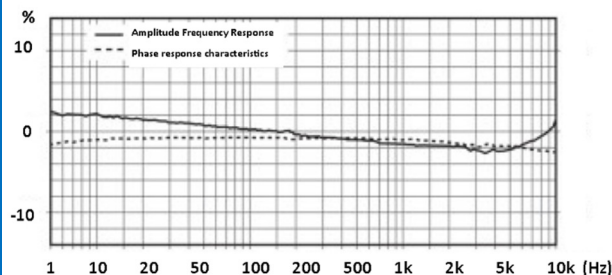
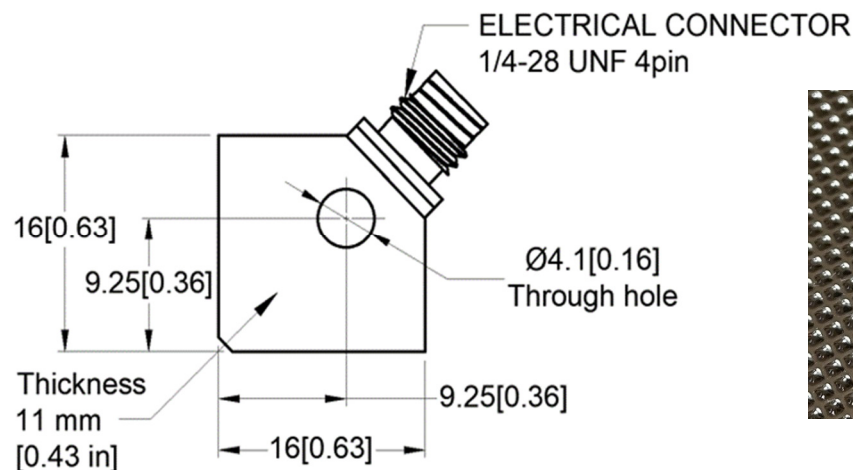


- Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 12grams
- 1/4-28UNF side entry 4 pin connector
- Through hole mounting

The GVT100S-H is a general purpose triaxial IEPE accelerometer for the measurement of broad band vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder. The Through hole mounting allows for directional control of the connector when mounting.

| Specification               | Metric                               | Imperial            |
|-----------------------------|--------------------------------------|---------------------|
| Sensitivity                 | 10mV/(m/s <sup>2</sup> )             | 100mV/g             |
| Measurement Range (pk)      | ±490m/s <sup>2</sup>                 | ±50g                |
| Frequency Range ±10%        | (Z) 1 to 10000 Hz, (X,Y) 1 to 8000Hz |                     |
| Resonant Frequency          | ≥25 kHz                              |                     |
| Non-Linearity               | ≤1 %                                 |                     |
| Transverse Sensitivity      | ≤5 %                                 |                     |
| Electrical Noise Floor      | 0.001m/s <sup>2</sup> rms            | 0.0001g rms         |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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)  | 16x16x11 (mm)                        | 0.63x0.63x0.43 (in) |
| Weight                      | 12gm                                 | 0.423oz             |
| Sensing Geometry            | Shear                                |                     |
| Sensing Element Material    | PZT-5                                |                     |
| Case Material               | Titanium                             |                     |
| Connector Position          | Side                                 |                     |
| Case sealing                | Hermetic                             |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin                      |                     |
| Mounting                    | Ø4.1mm (0.16") through hole          |                     |



Kemo has a range of cable assemblies available for use with the GVT100S-H

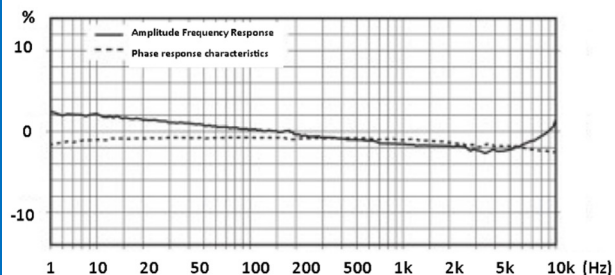
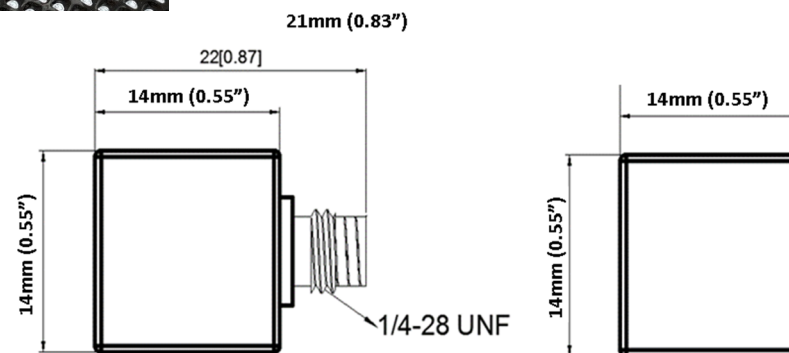
- 7F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F82-30 - 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F81-50 - 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 7F81-30 - 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 11grams
- 1/4-28UNF side entry 4 pin connector
- Tapped base for stud mounting



The GVT100S-T is a general purpose triaxial IEPE accelerometer for the measurement of broad band vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder.

| Specification               | Metric                           | Imperial            |
|-----------------------------|----------------------------------|---------------------|
| Sensitivity                 | 10mV/(m/s <sup>2</sup> )         | 100mV/g             |
| Measurement Range (pk)      | ±490m/s <sup>2</sup>             | ±50g                |
| Frequency Range ±10%        | (Y,Z) 1 to 8000 Hz (X) 1 to 7000 |                     |
| Resonant Frequency          | ≥30 kHz                          |                     |
| Non-Linearity               | ≤1 %                             |                     |
| Transverse Sensitivity      | ≤5 %                             |                     |
| Electrical Noise Floor      | 0.001m/s <sup>2</sup> rms        | 0.0001g rms         |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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)  | 14x14x14 (mm)                    | 0.55x0.55x0.55 (in) |
| Weight                      | 11gm                             | 0.39oz              |
| Sensing Geometry            | Shear                            |                     |
| Sensing Element Material    | PZT-5                            |                     |
| Case Material               | Titanium                         |                     |
| Connector Position          | Side                             |                     |
| Case sealing                | Hermetic                         |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin                  |                     |
| Mounting                    | 10/32UNF Tapped Base             |                     |



Kemo has a range of cable assemblies available for use with the GVT100S-T

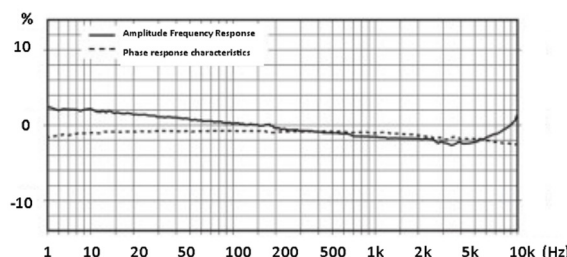
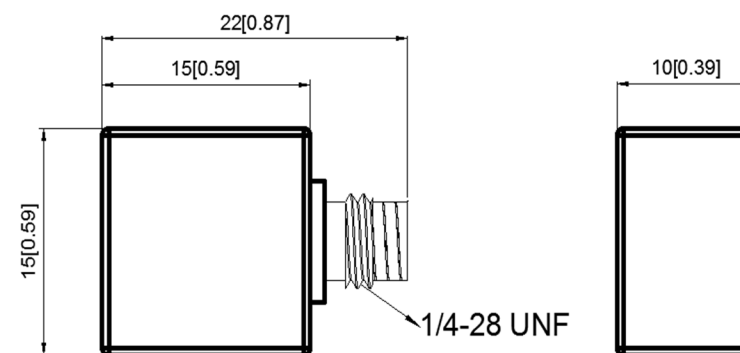
- 7F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F82-30 - 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F81-50 - 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 7F81-30 - 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Low Profile Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 13grams
- 1/4-28UNF side entry 4 pin connector
- Tapped base for stud or adhesive mounting



The GVT100S-TL is a low profile general purpose triaxial IEPE accelerometer for the measurement of broad band vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder. The tapped base means it can be stud mounted or used with an adhesive base (KMS-ADH1 or KMISO-ADH).

| Specification               | Metric   | Imperial            |
|-----------------------------|--|---------------------|
| Sensitivity                 | 10.2mV/(m/s <sup>2</sup> )                         | 100mV/g             |
| Measurement Range (pk)      | ±490m/s <sup>2</sup>                               | ±50g                |
| Frequency Range ±10%        | (Y,Z) 1 to 9000Hz (X) 1 to 8000Hz                  |                     |
| Resonant Frequency          | ≥25 kHz  |                     |
| Non-Linearity               | ≤1 %   |                     |
| Transverse Sensitivity      | ≤5 %   |                     |
| Electrical Noise Floor      | 0.001m/s <sup>2</sup> rms                          | 0.0001g rms         |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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)  | 15x15x10 (mm)                                      | 0.59x0.59x0.39 (in) |
| Weight                      | 13gm   | 0.458oz             |
| Sensing Geometry            | Shear  |                     |
| Sensing Element Material    | PZT-5  |                     |
| Case Material               | Titanium   |                     |
| Connector Position          | Side   |                     |
| Case sealing                | Hermetic   |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin                                    |                     |
| Mounting                    | 10/32UNF Tapped base for stud or adhesive mounting |                     |



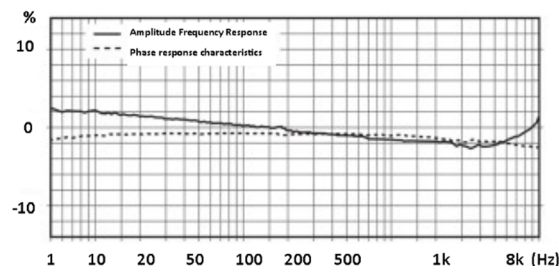
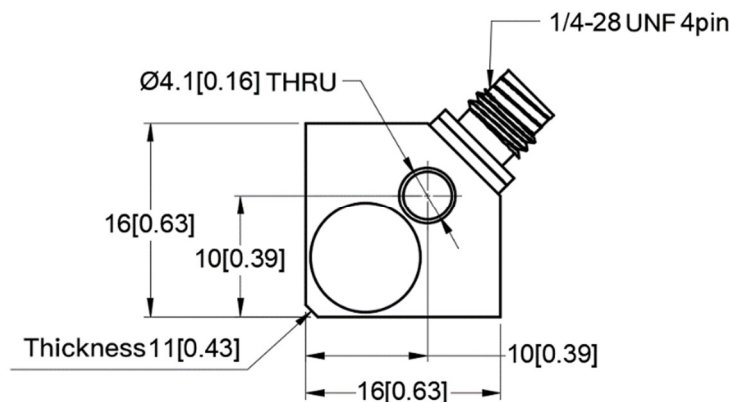
Kemo has a range of cable assemblies available for use with the GVT100S-TL

- 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)

- Triaxial IEPE Accelerometer
- Sensitivity – 200mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 12grams
- 1/4-28UNF side entry 4 pin connector
- Through hole mounting

The GVT200S-H is a general purpose triaxial IEPE accelerometer for the measurement of broad band vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder. The Through hole mounting allows for directional control of the connector when mounting.

| Specification               | Metric                              | Imperial            |
|-----------------------------|-------------------------------------|---------------------|
| Sensitivity                 | 20.4mV/(m/s <sup>2</sup> )          | 200mV/g             |
| Measurement Range (pk)      | ±245m/s <sup>2</sup>                | ±25g                |
| Frequency Range ±10%        | (Z) 1 to 8000 Hz, (X,Y) 1 to 7000Hz |                     |
| Resonant Frequency          | ≥25 kHz                             |                     |
| Non-Linearity               | ≤1 %                                |                     |
| Transverse Sensitivity      | ≤5 %                                |                     |
| Electrical Noise Floor      | 0.0005m/s <sup>2</sup> rms          | 0.00005g rms        |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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)  | 16x16x11 (mm)                       | 0.63x0.63x0.43 (in) |
| Weight                      | 12gm                                | 0.423oz             |
| Sensing Geometry            | Shear                               |                     |
| Sensing Element Material    | PZT-5                               |                     |
| Case Material               | Titanium                            |                     |
| Connector Position          | Side                                |                     |
| Case sealing                | Hermetic                            |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin                     |                     |
| Mounting                    | Ø4.1mm (0.16") through hole         |                     |



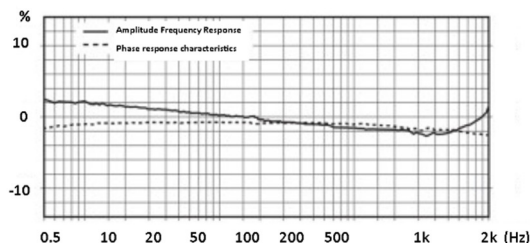
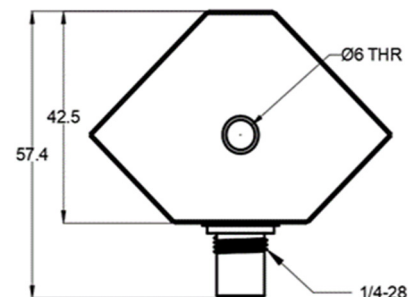
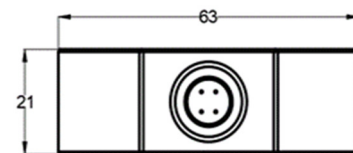
Kemo has a range of cable assemblies available for use with the GVT200S-H

- 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)

- Triaxial IEPE Accelerometer
- Sensitivity – 1000mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 158grams
- 1/4-28UNF side entry 4 pin connector
- Through hole mounting

The HVT1KS-H is a high sensitivity triaxial IEPE accelerometer for the measurement of low amplitude vibration below  $\pm 5g$  in three axes. With a through hole mounting solution the accelerometer can be positioned with the connector pointing in the direction required. Ideal for ground borne and structural vibration surveys.

| Specification               | Metric                                 | Imperial            |
|-----------------------------|--|---------------------|
| Sensitivity                 | 102.4mV/(m/s <sup>2</sup> )            | 1000mV/g            |
| Measurement Range (pk)      | $\pm 49m/s^2$                          | $\pm 5g$            |
| Frequency Range $\pm 10\%$  | (Z) 0.4 to 2200Hz (Y,X) 0.5 to 1900Hz  |                     |
| Resonant Frequency          | $\geq 10$ kHz                          |                     |
| Non-Linearity               | $\leq 1$ %                             |                     |
| Transverse Sensitivity      | $\leq 5$ %                             |                     |
| Electrical Noise Floor      | 0.0001m/s <sup>2</sup> rms             | 0.00001g rms        |
| Overload Limit (Shock)      | $\pm 980(m/s^2)pk$                     | $\pm 100gpk$        |
| 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 $\pm$ 1.5VDC                     |                     |
| Size (excluding connector)  | 45x45x21 (mm)                          | 1.77x1.77x0.82 (in) |
| Weight                      | 158gm                                  | 5.57oz              |
| Sensing Geometry            | Shear                                  |                     |
| Sensing Element Material    | PZT-5                                  |                     |
| Case Material               | Titanium                               |                     |
| Connector Position          | Side                                   |                     |
| Case sealing                | Hermetic                               |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin                        |                     |
| Mounting                    | $\varnothing 6mm$ (0.24") through hole |                     |

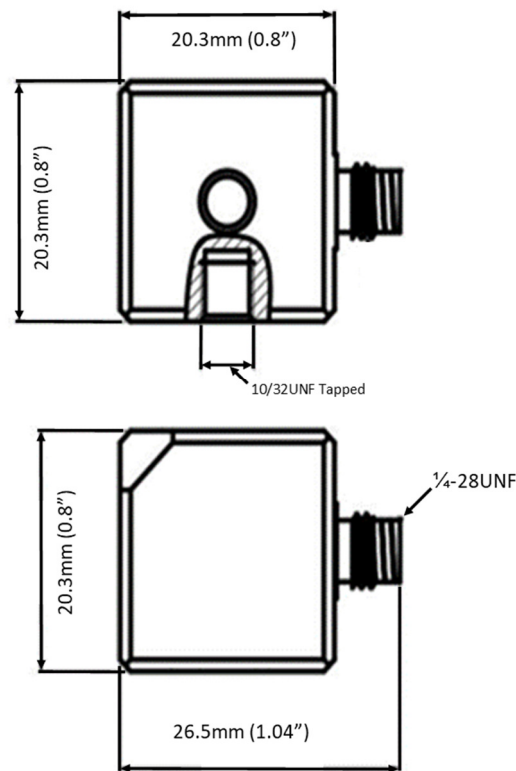


Kemo has a range of cable assemblies available for use with the HVT1KS-H

- 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)

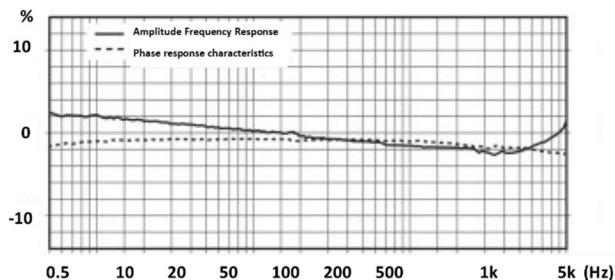
- Triaxial IEPE Accelerometer
- High Sensitivity – 1V/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 40grams
- 1/4-28UNF side entry 4 pin connector
- Tapped base for mounting

| Specification               | Metric                     | Imperial         |
|-----------------------------|----------------------------|------------------|
| Sensitivity                 | 0.102V/(m/s <sup>2</sup> ) | 1V/g             |
| Measurement Range (pk)      | ±49m/s <sup>2</sup>        | ±5g              |
| Frequency Range ±10%        | 1 to 4000 Hz               |                  |
| Resonant Frequency          | ≥15 kHz                    |                  |
| Non-Linearity               | ≤1 %                       |                  |
| Transverse Sensitivity      | ≤5 %                       |                  |
| Electrical Noise Floor      | 0.001m/s <sup>2</sup> rms  | 0.0001g rms      |
| Overload Limit (Shock)      | ±490(m/s <sup>2</sup> )pk  | ±50gpk           |
| 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)  | 20.3x20.3x20.3 (mm)        | 0.8x0.8x0.8 (in) |
| Weight                      | 40gm                       | 1.48oz           |
| Sensing Geometry            | Shear                      |                  |
| Sensing Element Material    | PZT-5                      |                  |
| Case Material               | Titanium                   |                  |
| Connector Position          | Side                       |                  |
| Case sealing                | Hermetic                   |                  |
| Electrical Connection Type  | 1/4-28UNF 4 pin            |                  |
| Mounting                    | 10/32UNF tapped hole       |                  |



The HVT1KS-T is a high sensitivity triaxial IEPE accelerometer for the measurement of broad band vibration at low level amplitudes. It's 1V/g (1000mV/g) sensitivity gives a measurement range of ±5g

Ideally suited to seismic or building vibration studies.



Kemo has a range of cable assemblies available for use with the HVT1KS-T

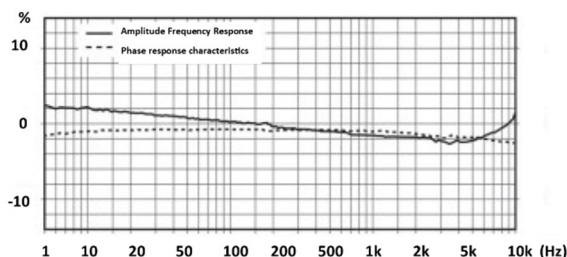
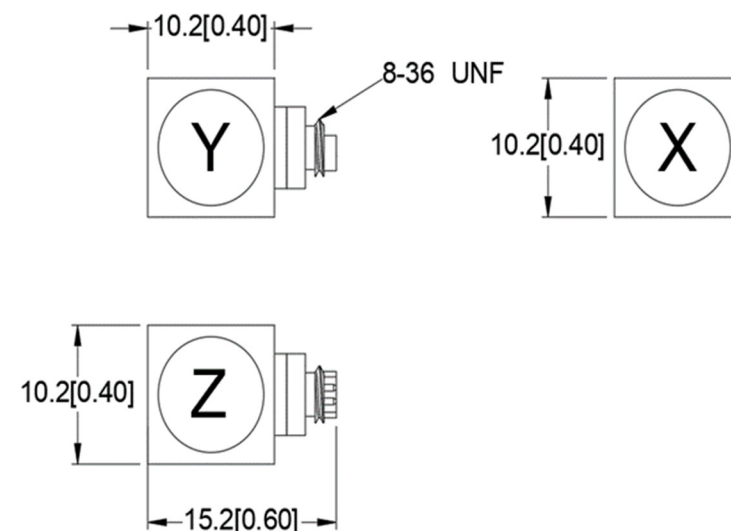
- 7F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F82-30 - 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F81-50 - 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 7F81-30 - 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 10mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 4.2grams
- 8-36UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

| 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%        | (Y, Z) 1 to 8500Hz (X) 1 to 7000Hz |                     |
| Resonant Frequency          | ≥45 kHz                            |                     |
| Non-Linearity               | ≤1 %                               |                     |
| Transverse Sensitivity      | ≤5 %                               |                     |
| Electrical Noise Floor      | 0.01m/s <sup>2</sup> rms           | 0.001g rms          |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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                      | 4.2gm                              | 0.148oz             |
| Sensing Geometry            | Shear                              |                     |
| Sensing Element Material    | PZT-5                              |                     |
| Case Material               | Titanium                           |                     |
| Connector Position          | Side                               |                     |
| Case sealing                | Hermetic                           |                     |
| Electrical Connection Type  | Miniature 8-36UNF 4 pin            |                     |
| Mounting                    | 5-40UNC tapped base                |                     |



The MVT10S-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 4.2 grams it has an excellent frequency response.



Kemo has a range of cable assemblies available for use with the MVT10S-T

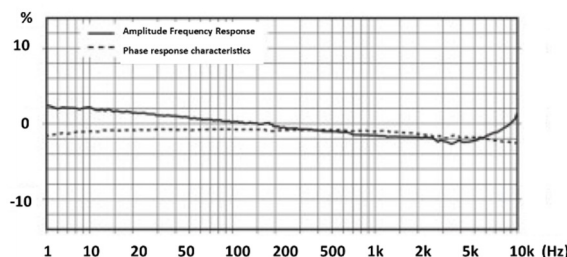
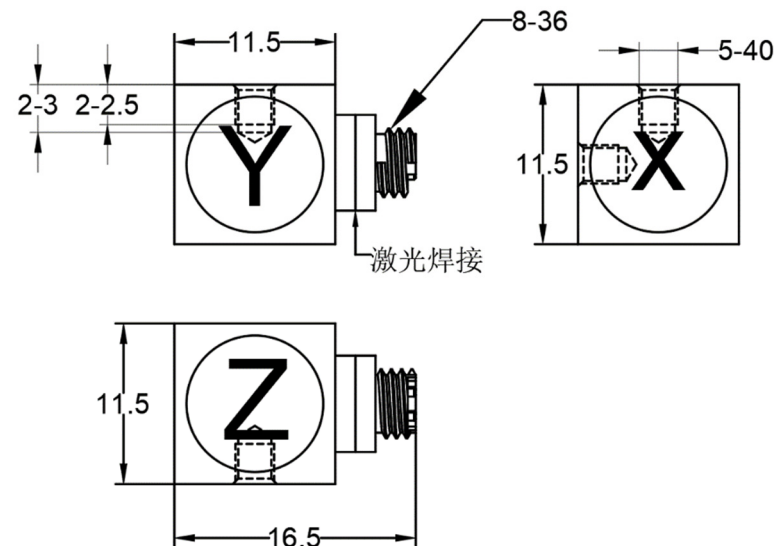
- 12F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F82-30 – 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F81-50 – 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 12F81-30 – 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 6grams
- 8-36UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

| Specification               | Metric                              | Imperial            |
|-----------------------------|-------------------------------------|---------------------|
| Sensitivity                 | 10.2mV/(m/s <sup>2</sup> )          | 100mV/g             |
| Measurement Range (pk)      | ±490m/s <sup>2</sup>                | ±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 <sup>2</sup> rms           | 0.0001g rms         |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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                      | 6gm                                 | 0.21oz              |
| Sensing Geometry            | Shear                               |                     |
| Sensing Element Material    | PZT-5                               |                     |
| Case Material               | Titanium                            |                     |
| Connector Position          | Side                                |                     |
| Case sealing                | Hermetic                            |                     |
| Electrical Connection Type  | Miniature 8-36UNF 4 pin             |                     |
| Mounting                    | 5-40UNC tapped base on two sides    |                     |



The MVT100S-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 6 grams it has an excellent frequency response.



Kemo has a range of cable assemblies available for use with the MVT100S-T

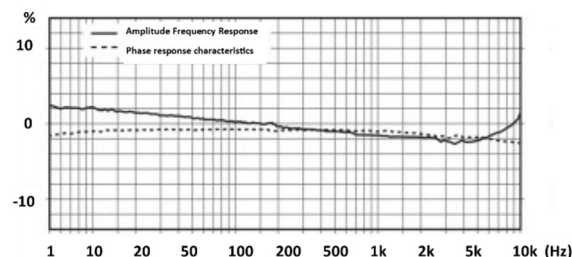
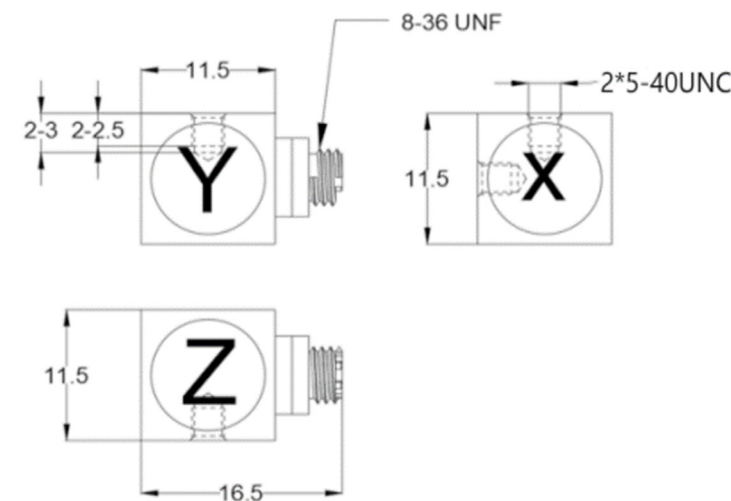
- 12F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F82-30 – 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 12F81-50 – 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 12F81-30 – 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 200mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 10grams
- 8-36UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

| Specification               | Metric  | Imperial            |
|-----------------------------|---|---------------------|
| Sensitivity                 | 20.4mV/(m/s <sup>2</sup> )                    | 200mV/g             |
| Measurement Range (pk)      | ±245m/s <sup>2</sup>                          | ±25g                |
| Frequency Range ±10%        | Y, Z Axes: 2 to 7000Hz<br>X Axis: 2 to 6000Hz |                     |
| Resonant Frequency          | ≥45 kHz                                       |                     |
| Non-Linearity               | ≤1 %  |                     |
| Transverse Sensitivity      | ≤5 %  |                     |
| Electrical Noise Floor      | 0.0005m/s <sup>2</sup> rms                    | 0.00005g rms        |
| Overload Limit (Shock)      | ±29400(m/s <sup>2</sup> )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                      | 10gm  | 0.35oz              |
| Sensing Geometry            | Shear   |                     |
| Sensing Element Material    | PZT-5   |                     |
| Case Material               | Titanium                                      |                     |
| Connector Position          | Side  |                     |
| Case sealing                | Hermetic                                      |                     |
| Electrical Connection Type  | Miniature 8-36UNF 4 pin                       |                     |
| Mounting                    | 5-40UNC tapped base on two sides              |                     |



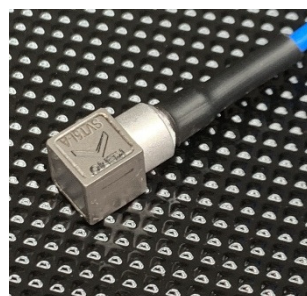
The MVT200S-T is a miniature triaxial IEPE accelerometer for use where mass loading is potentially an issue and should be minimised. At just 11.5mm cube and 10 grams it has an excellent frequency response with an increased sensitivity of 200mV/g which is ideal for measuring low level vibration or for use in Modal Testing applications.



Kemo has a range of cable assemblies available for use with the MVT200S-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)

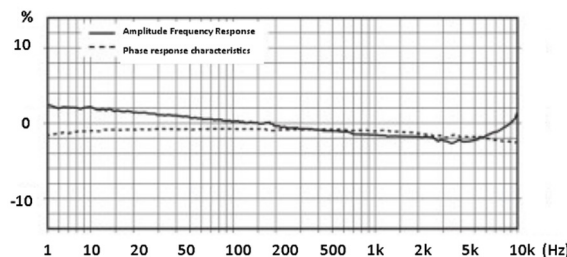
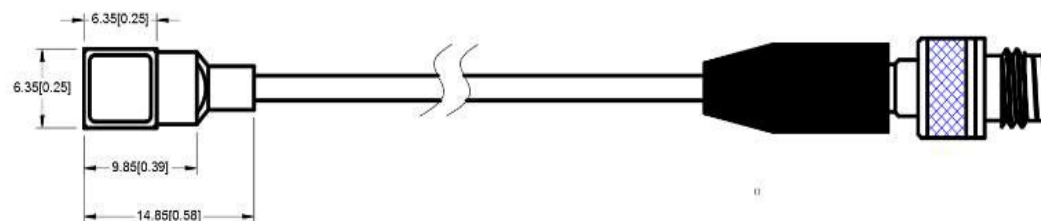
- Ultra Miniature Triaxial IEPE Accelerometer
- Sensitivity – 5mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 1grams
- Integral cable with ¼-28UNF connector
- Flat base for adhesive mounting



The SVT5I-A is an ultra miniature IEPE triaxial accelerometer weighing just 1gram and providing almost invisible mass effects on the unit under test.

Just 6.35mm cube and featuring a flexible integral cable for minimal vibration response effects the SVT5I-A is a superb triaxial IEPE accelerometer.

| Specification               | Metric   | Imperial            |
|-----------------------------|--|---------------------|
| Sensitivity                 | 0.51mV/(m/s <sup>2</sup> )                       | 5mV/g               |
| Measurement Range (pk)      | ±9800m/s <sup>2</sup>                            | ±1000g              |
| Frequency Range ±10%        | (Y & Z axes) 1 to 10000 Hz<br>X axis 1 to 8000Hz |                     |
| Resonant Frequency          | ≥50 kHz  |                     |
| Non-Linearity               | ≤1 %   |                     |
| Transverse Sensitivity      | ≤5 %   |                     |
| Electrical Noise Floor      | 0.02m/s <sup>2</sup> rms                         | 0.002g rms          |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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)  | 6.35x6.35x6.35 (mm)                              | 0.25x0.25x0.25 (in) |
| Weight                      | 1gm  | 0.035oz             |
| Sensing Geometry            | Shear  |                     |
| Sensing Element Material    | PZT-5  |                     |
| Case Material               | Titanium   |                     |
| Connector Position          | Side   |                     |
| Case sealing                | Hermetic   |                     |
| Electrical Connection Type  | ¼-28UNF 4 pin on end of Integral cable           |                     |
| Mounting                    | Flat base for adhesive mounting                  |                     |

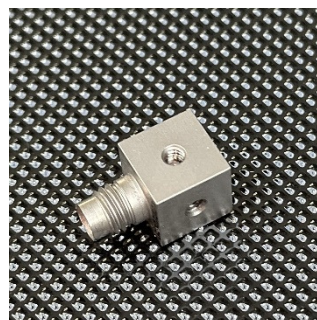


Kemo has a range of cable assemblies available for use with the SVT5I-A

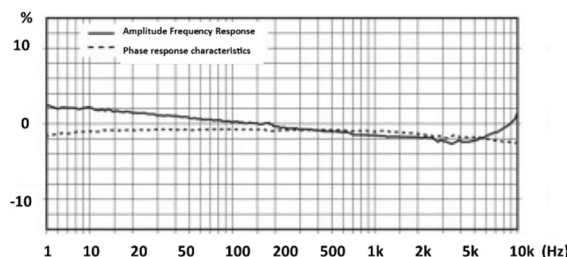
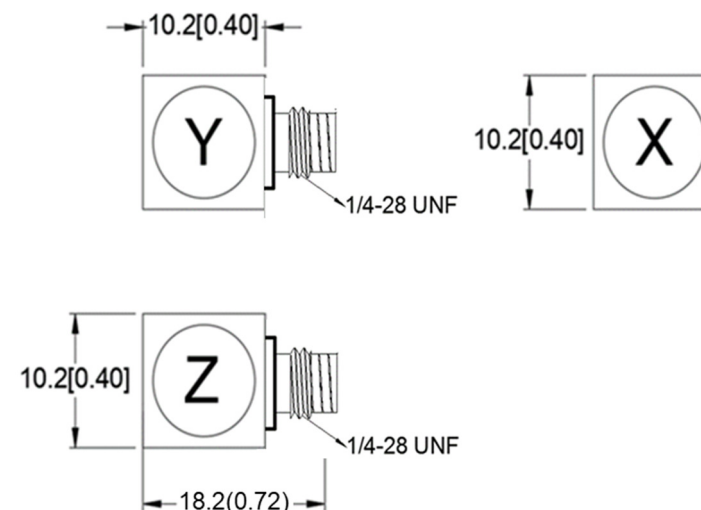
- 7F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F82-30 - 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F81-50 - 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 7F81-30 - 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 10mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 3.9grams
- 1/4-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

| 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%        | (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 <sup>2</sup> rms           | 0.001g rms          |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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  | 1/4-28UNF 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 1/4-28UNF 4 pin connector offers an improved compatibility with customers existing cables.

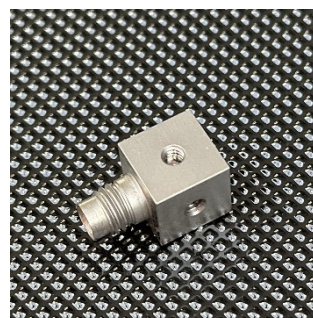


Kemo has a range of cable assemblies available for use with the SVT10S-T

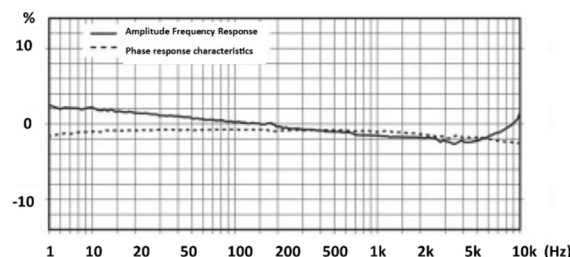
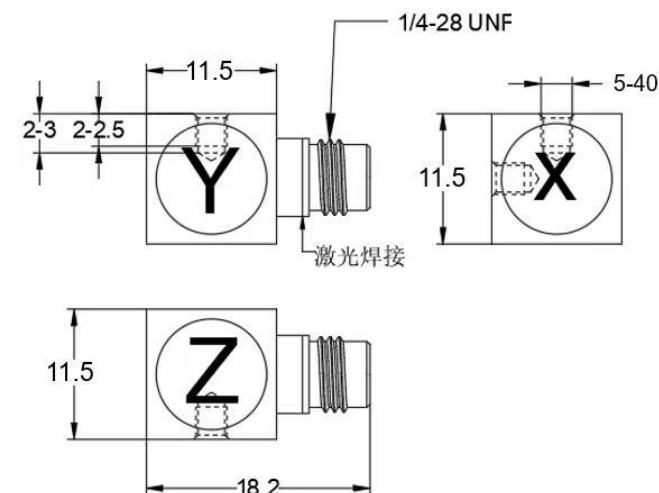
- 7F82-50 - 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F82-30 - 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F81-50 - 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 7F81-30 - 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 5.8grams
- 1/4-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

| Specification               | Metric                              | Imperial            |
|-----------------------------|-------------------------------------|---------------------|
| Sensitivity                 | 10.2mV/(m/s <sup>2</sup> )          | 100mV/g             |
| Measurement Range (pk)      | ±490m/s <sup>2</sup>                | ±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 <sup>2</sup> rms           | 0.0001g rms         |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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  | 1/4-28UNF 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.

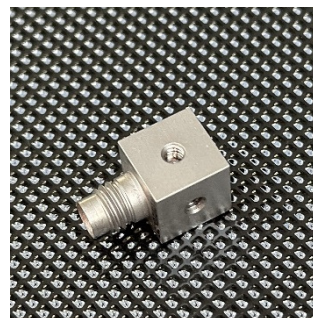


Kemo has a range of cable assemblies available for use with the SVT100S-T

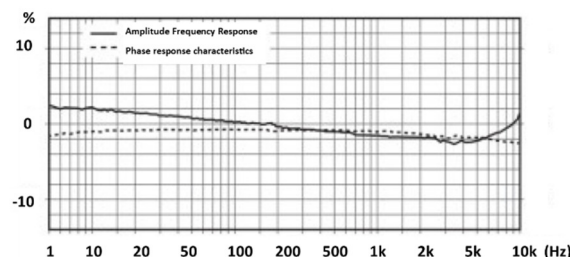
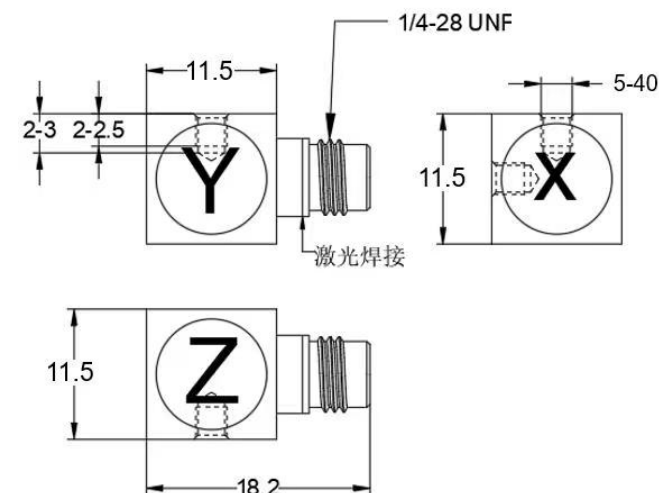
- 7F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F82-30 - 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F81-50 - 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 7F81-30 - 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Miniature Triaxial IEPE Accelerometer
- Sensitivity – 100mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 5.8grams
- 1/4-28UNF side entry 4 pin connector
- 5-40UNC tapped base for mounting

| Specification               | Metric                              | Imperial            |
|-----------------------------|-------------------------------------|---------------------|
| Sensitivity                 | 10.2mV/(m/s <sup>2</sup> )          | 100mV/g             |
| Measurement Range (pk)      | ±490m/s <sup>2</sup>                | ±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 <sup>2</sup> rms           | 0.0001g rms         |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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  | 1/4-28UNF 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.



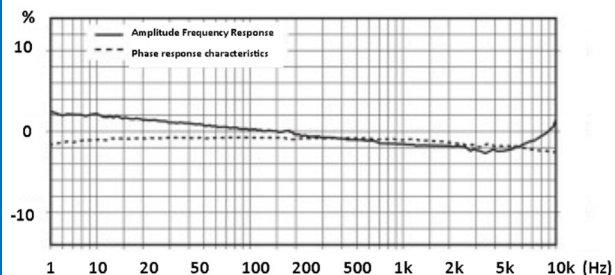
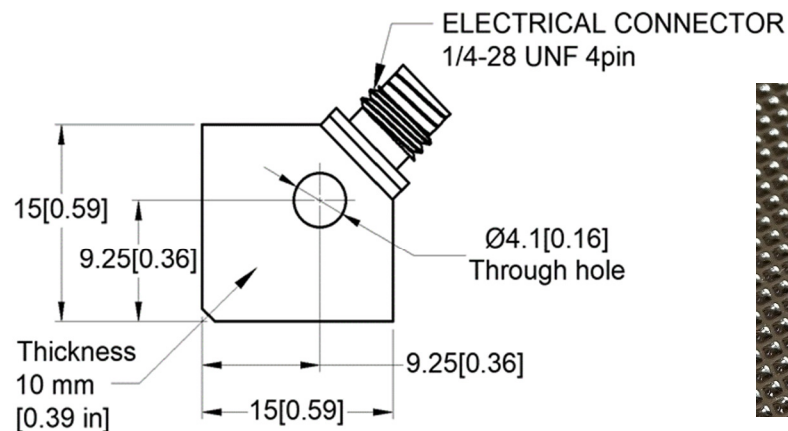
Kemo has a range of cable assemblies available for use with the SVT100S-T

- 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)

- Triaxial IEPE Accelerometer
- Sensitivity – 10mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 8grams
- 1/4-28UNF side entry 4 pin connector
- Through hole mounting

The GVT10S-H is a general purpose triaxial IEPE accelerometer for the measurement of broad band vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder. The Through hole mounting allows for directional control of the connector when mounting.

| Specification               | Metric                               | Imperial            |
|-----------------------------|--------------------------------------|---------------------|
| Sensitivity                 | 1mV/(m/s <sup>2</sup> )              | 10mV/g              |
| Measurement Range (pk)      | ±4900m/s <sup>2</sup>                | ±500g               |
| Frequency Range ±10%        | (Z) 1 to 10000 Hz, (X,Y) 1 to 8000Hz |                     |
| Resonant Frequency          | ≥25 kHz                              |                     |
| Non-Linearity               | ≤1 %                                 |                     |
| Transverse Sensitivity      | ≤5 %                                 |                     |
| Electrical Noise Floor      | 0.01m/s <sup>2</sup> rms             | 0.001g rms          |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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)  | 15x15x10 (mm)                        | 0.59x0.59x0.39 (in) |
| Weight                      | 8gm                                  | 0.282oz             |
| Sensing Geometry            | Shear                                |                     |
| Sensing Element Material    | PZT-5                                |                     |
| Case Material               | Titanium                             |                     |
| Connector Position          | Side                                 |                     |
| Case sealing                | Hermetic                             |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin                      |                     |
| Mounting                    | Ø4.1mm (0.16") through hole          |                     |



Kemo has a range of cable assemblies available for use with the GVT10S-H

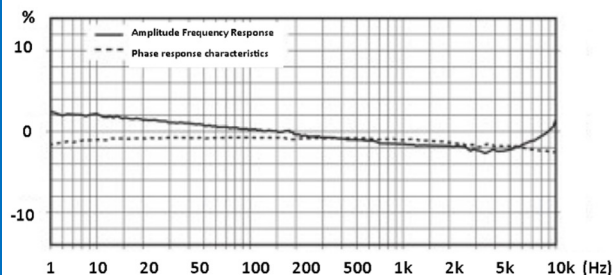
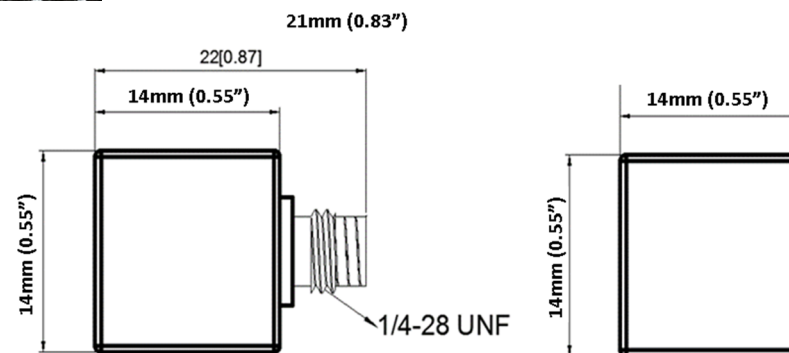
- 7F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F82-30 - 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F81-50 - 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 7F81-30 - 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Triaxial IEPE Accelerometer
- Sensitivity – 10mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 11grams
- 1/4-28UNF side entry 4 pin connector
- Tapped base for stud mounting



The GVT10S-TC is a general purpose cube shaped triaxial IEPE accelerometer for the measurement of broadband vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder. With a tapped base on two sides it provides flexible mounting options.

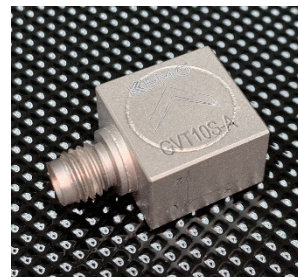
| Specification               | Metric                           | Imperial            |
|-----------------------------|----------------------------------|---------------------|
| Sensitivity                 | 1.02mV/(m/s <sup>2</sup> )       | 10mV/g              |
| Measurement Range (pk)      | ±4900m/s <sup>2</sup>            | ±500g               |
| Frequency Range ±10%        | (Y,Z) 1 to 8000 Hz (X) 1 to 7000 |                     |
| Resonant Frequency          | ≥30 kHz                          |                     |
| Non-Linearity               | ≤1 %                             |                     |
| Transverse Sensitivity      | ≤5 %                             |                     |
| Electrical Noise Floor      | 0.01m/s <sup>2</sup> rms         | 0.001g rms          |
| Overload Limit (Shock)      | ±29400(m/s <sup>2</sup> )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         | 10VDC ± 2VDC                     |                     |
| Size (excluding connector)  | 14x14x14 (mm)                    | 0.55x0.55x0.55 (in) |
| Weight                      | 11gm                             | 0.39oz              |
| Sensing Geometry            | Shear                            |                     |
| Sensing Element Material    | PZT-5                            |                     |
| Case Material               | Titanium                         |                     |
| Connector Position          | Side                             |                     |
| Case sealing                | Hermetic                         |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin                  |                     |
| Mounting                    | 10/32UNF Tapped Base             |                     |



Kemo has a range of cable assemblies available for use with the GVT10S-TC

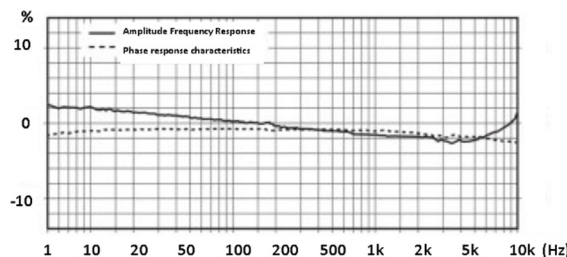
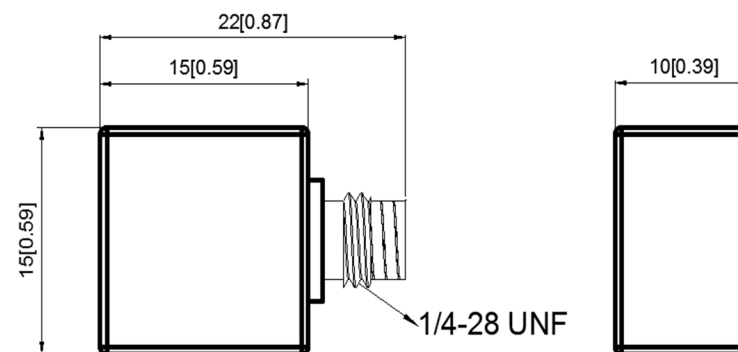
- 7F82-50 – 5m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F82-30 - 3m cable ending in 3 x BNC plugs (X, Y, Z)
- 7F81-50 - 5m cable ending in 3 x microdot plugs (X, Y, Z)
- 7F81-30 - 3m cable ending in 3 x microdot plugs (X, Y, Z)

- Triaxial IEPE Accelerometer
- Sensitivity – 10mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass – 8.5grams
- 1/4-28UNF side entry 4 pin connector
- Tapped base for stud or adhesive mounting



The GVT10S-T is a general purpose triaxial IEPE accelerometer for the measurement of broad band vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder. The tapped base means it can be stud mounted or used with an adhesive base (KMS-ADH1 or KMISO-ADH).

| 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%        | (Z)1 to 8000Hz (X,Y) 1 to 7000Hz                   |                     |
| Resonant Frequency          | ≥25 kHz  |                     |
| Non-Linearity               | ≤1 %   |                     |
| Transverse Sensitivity      | ≤5 %   |                     |
| Electrical Noise Floor      | 0.01m/s <sup>2</sup> rms                           | 0.001g rms          |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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)  | 15x15x10 (mm)                                      | 0.59x0.59x0.39 (in) |
| Weight                      | 8.5gm  | 0.30oz              |
| Sensing Geometry            | Shear  |                     |
| Sensing Element Material    | PZT-5  |                     |
| Case Material               | Titanium   |                     |
| Connector Position          | Side   |                     |
| Case sealing                | Hermetic   |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin                                    |                     |
| Mounting                    | 10/32UNF Tapped base for stud or adhesive mounting |                     |



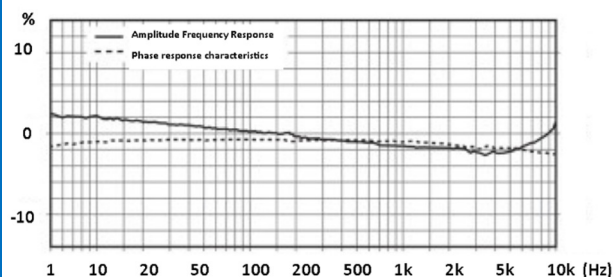
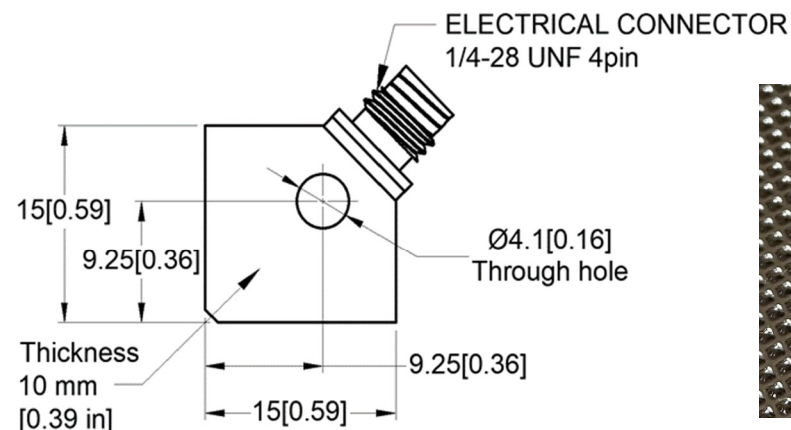
Kemo has a range of cable assemblies available for use with the GVT10S-T

- 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)

- Triaxial IEPE Accelerometer
- Sensitivity – 20mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 8grams
- 1/4-28UNF side entry 4 pin connector
- Through hole mounting

The GVT20S-H is a general purpose triaxial IEPE accelerometer for the measurement of broad band vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder. The Through hole mounting allows for directional control of the connector when mounting.

| Specification               | Metric                        | Imperial            |
|-----------------------------|-------------------------------|---------------------|
| Sensitivity                 | 2mV/(m/s <sup>2</sup> )       | 20mV/g              |
| Measurement Range (pk)      | ±2451m/s <sup>2</sup>         | ±250g               |
| Frequency Range ±10%        | (Z)1 to 10kHz, (X,Y)1 to 8kHz |                     |
| Resonant Frequency          | ≥25 kHz                       |                     |
| Non-Linearity               | ≤1 %                          |                     |
| Transverse Sensitivity      | ≤5 %                          |                     |
| Electrical Noise Floor      | 0.005m/s <sup>2</sup> rms     | 0.0005g rms         |
| Overload Limit (Shock)      | ±49000(m/s <sup>2</sup> )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)  | 15x15x10 (mm)                 | 0.59x0.59x0.39 (in) |
| Weight                      | 8gm                           | 0.282oz             |
| Sensing Geometry            | Shear                         |                     |
| Sensing Element Material    | PZT-5                         |                     |
| Case Material               | Titanium                      |                     |
| Connector Position          | Side                          |                     |
| Case sealing                | Hermetic                      |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin               |                     |
| Mounting                    | Ø4.1mm (0.16") through hole   |                     |



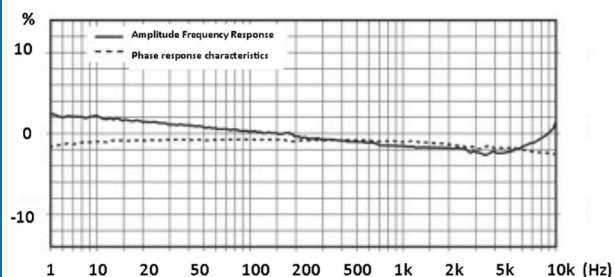
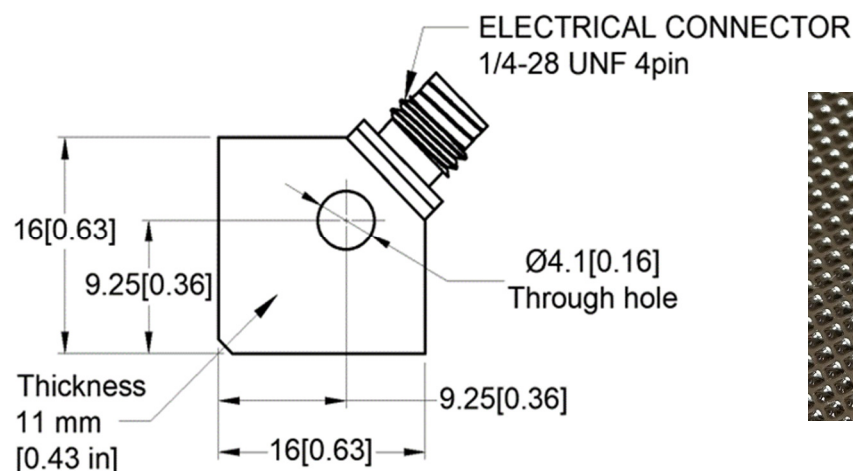
Kemo has a range of cable assemblies available for use with the GVT20S-H

- 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)

- Triaxial IEPE Accelerometer
- Sensitivity – 50mV/g
- Shear design
- Piezoelectric ceramic PZT-5
- Mass - 12grams
- 1/4-28UNF side entry 4 pin connector
- Through hole mounting

The GVT50S-H is a general purpose triaxial IEPE accelerometer for the measurement of broad band vibration in a wide range of vibration test applications, its small size and low mass make it an ideal all rounder. The Through hole mounting allows for directional control of the connector when mounting.

| Specification               | Metric                        | Imperial            |
|-----------------------------|-------------------------------|---------------------|
| Sensitivity                 | 5mV/(m/s <sup>2</sup> )       | 50mV/g              |
| Measurement Range (pk)      | ±980m/s <sup>2</sup>          | ±100g               |
| Frequency Range ±10%        | (Z)1 to 10kHz, (X,Y)1 to 8kHz |                     |
| Resonant Frequency          | ≥25 kHz                       |                     |
| Non-Linearity               | ≤1 %                          |                     |
| Transverse Sensitivity      | ≤5 %                          |                     |
| Electrical Noise Floor      | 0.002m/s <sup>2</sup> rms     | 0.0002g rms         |
| Overload Limit (Shock)      | ±9800(m/s <sup>2</sup> )pk    | ±1000gpk            |
| 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)  | 16x16x11 (mm)                 | 0.63x0.63x0.43 (in) |
| Weight                      | 12gm                          | 0.423oz             |
| Sensing Geometry            | Shear                         |                     |
| Sensing Element Material    | PZT-5                         |                     |
| Case Material               | Titanium                      |                     |
| Connector Position          | Side                          |                     |
| Case sealing                | Hermetic                      |                     |
| Electrical Connection Type  | 1/4-28UNF 4 pin               |                     |
| Mounting                    | Ø4.1mm (0.16") through hole   |                     |



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