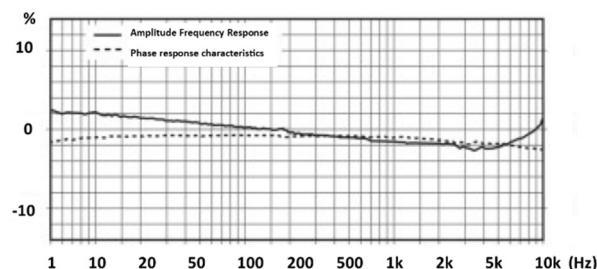
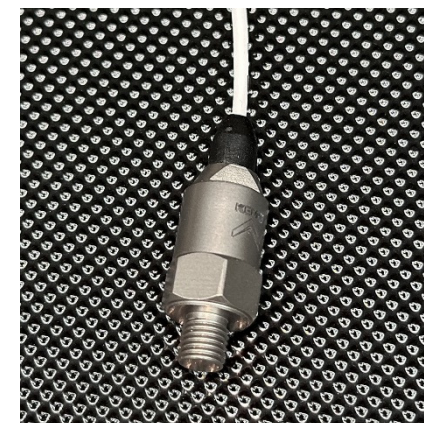
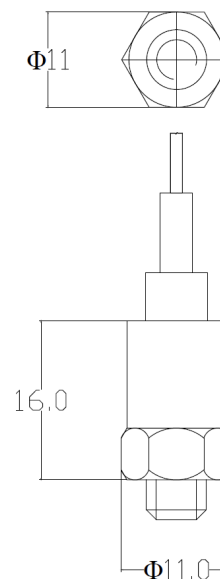


- Shock IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Range ±10000g
- Mass – 6.5grams
- 1m Integral cable
- M6 integral stud

The VS-10K is an IEPE shock measurement accelerometer offering dedicated shock measurement capability. With a ±10000g range the VS-10K combines the flexibility of IEPE (Integrated Electronics Piezoelectric) technology with the reliability of a robust titanium fully welded construction. Kemo can also offer cables and signal conditioning solutions for use with their full range of accelerometers.

| Specification               | Metric                                   | Imperial        |
|-----------------------------|------------------------------------------|-----------------|
| Sensitivity                 | 0.05mV/(m/s <sup>2</sup> )               | 0.5mV/g         |
| Measurement Range (pk)      | ±98000m/s <sup>2</sup>                   | ±10000g         |
| Frequency Range ±10%        | 1 to 20000 Hz                            |                 |
| Resonant Frequency          | ≥75 kHz                                  |                 |
| Non-Linearity               | ≤1 %                                     |                 |
| Transverse Sensitivity      | ≤5 %                                     |                 |
| Overload Limit (Shock)      | ±294000(m/s <sup>2</sup> ) pk            | ±30000gpk       |
| Operating Temp. Range       | -55 to +120°C                            | -67 to +248°F   |
| Polarity ↑                  | Positive                                 |                 |
| Compliance Voltage (Supply) | +18 to +28 VDC                           |                 |
| Current range               | 2 – 20mA                                 |                 |
| Output Bias Voltage         | 11VDC ± 1.5VDC                           |                 |
| Output Impedance            | ≤100Ω                                    |                 |
| Size (excluding connector)  | 11mmA/Fx16 mm                            | 0.43" A/Fx0.63" |
| Weight                      | 6.5gm                                    | 0.23oz          |
| Sensing Geometry            | Shear                                    |                 |
| Sensing Element Material    | PZT-5                                    |                 |
| Case Material               | Titanium                                 |                 |
| Connector Position          | Top                                      |                 |
| Case sealing                | Laser Welding                            |                 |
| Electrical Connection Type  | 1m Int. Cable ends in 10/32UNF male plug |                 |
| Mounting                    | M6x0.75 integral stud                    |                 |



Kemo has a range of cable assemblies available for use with the VS-10K 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) 10/32UNFmdot to 10/32UNFmdot  
 1B1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

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