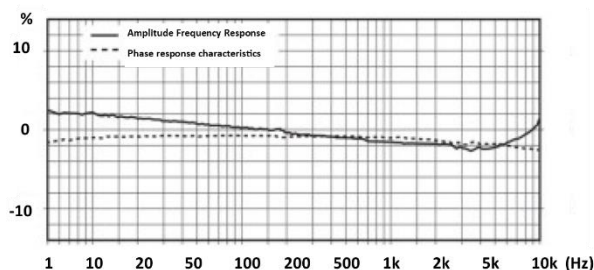
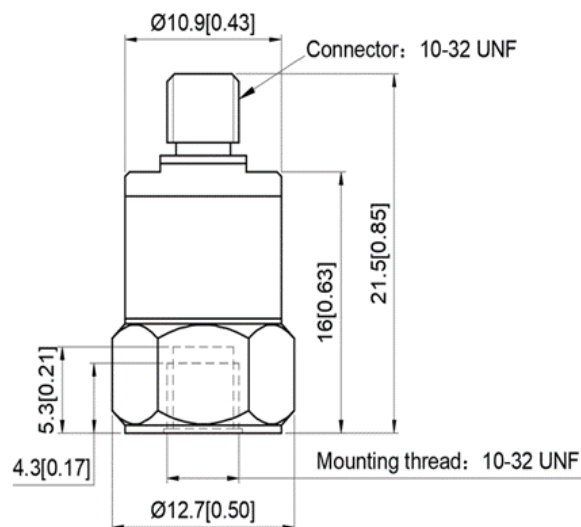


- Shock IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Range ±10000g
- Mass – 6grams
- 10-32UNF top entry connector
- 10-32UNF Tapped base

The VS-10K is an IEPE shock 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 9000 Hz                        |                 |
| Resonant Frequency          | ≥30 kHz                             |                 |
| Non-Linearity               | ≤1 %                                |                 |
| Transverse Sensitivity      | ≤5 %                                |                 |
| Overload Limit (Shock)      | ±117,600(m/s <sup>2</sup> )pk       | ±12000gpk       |
| Operating Temp. Range       | -40 to +85°C                        | -40 to +185°F   |
| Polarity ↑                  | Positive                            |                 |
| Compliance Voltage (Supply) | +18 to +28 VDC                      |                 |
| Current range               | 2 – 10mA                            |                 |
| Output Bias Voltage         | 11VDC ± 1.5VDC                      |                 |
| Output Impedance            | ≤100Ω                               |                 |
| Size (excluding connector)  | 12.7mmA/Fx16 mm                     | 0.50" A/Fx0.63" |
| Weight                      | 6gm                                 | 0.21oz          |
| Sensing Geometry            | Shear                               |                 |
| Sensing Element Material    | PZT-5                               |                 |
| Case Material               | Titanium                            |                 |
| Connector Position          | Top                                 |                 |
| Case sealing                | Hermetic                            |                 |
| Electrical Connection Type  | 10-32UNF Microdot                   |                 |
| Mounting                    | 10-32UNF Tapped base for stud mount |                 |



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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