

HS-070 Premium Accelerometer Capsule

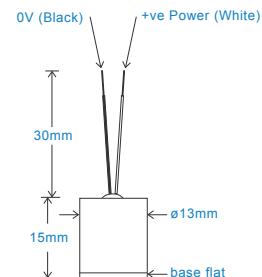
AC acceleration output

Key Features

- OEM Capsule
- Premium design

Industries

Building services, Pulp and Paper,
Mining, Metals, Utilities, Automotive,
Water, Pharmaceutical



Technical Performance

| | |
|------------------------|--|
| Mounted Base Resonance | see 'How To Order' table (nominal) |
| Sensitivity | see: 'How To Order' table $\pm 10\%$ Nominal 80Hz at 22°C |
| Frequency Response | 1.5Hz (90cpm) to 14kHz (840kcpm) $\pm 5\%$ 0.5Hz (30cpm) to 16kHz (960kcpm) $\pm 10\%$ 0.2Hz (12cpm) to 19kHz (1,140kcpm) $\pm 3\text{dB}$ |
| Isolation | Base isolated |
| Range | see: 'How To Order' table |
| Transverse Sensitivity | Less than 5% |

Mechanical

| | |
|------------------------------|-----------------|
| Case Material | Stainless Steel |
| Sensing Element/Construction | PZT/Shear |
| Weight | 13gms (nominal) |

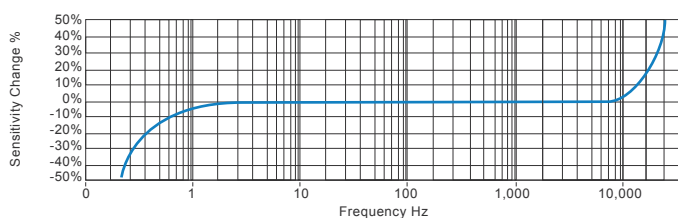
Electrical

| | |
|------------------|---------------------------|
| Electrical Noise | 0.1mg max |
| Current Range | 0.5mA to 8mA |
| Bias Voltage | 10 - 12 Volts DC |
| Settling Time | 1 second |
| Output Impedance | 200 Ohms max. |
| Case Isolation | $>10^8$ Ohms at 500 Volts |

Environmental

| | |
|-----------------------------|----------------|
| Operating Temperature Range | -55 to 130°C |
| Sealing | IP55 |
| Maximum Shock | 5000g |
| EMC | EN61326-1:2013 |

Typical Frequency Response (at 100mV/g)



Applications

Fans, Motors, Pumps, Compressors,
Centrifuges, Conveyors, Air Handlers,
Gearboxes, Rolls, Dryers, Presses,
Cooling, VAC, Spindles, Machine Tooling,
Process Equipment

How To Order

