HS-004 Low Power Accelerometer Capsule

±1%

AC acceleration output

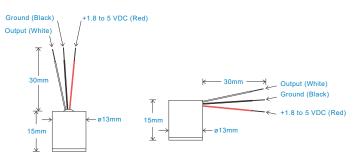
Key Features

- OEM Capsule
- Low voltage
- · Ultra low power consumption

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 ±10% Nominal 80Hz at 22°C Frequency Response 0.3Hz (18cpm) to 15kHz (900kcpm) ± 3dB Isolation Base isolated see: 'How To Order' table @ 5V power Range Less than 5% Transverse Sensitivity **Broadband Resolution** <500 µg

Mechanical

Stainless Steel Case Material Sensing Element/Construction PZT/Shear 18gms (nominal) Weight

Electrical

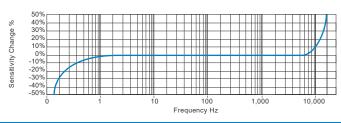
Amplitude Linearity

Electrical Noise < 500µg **Power Requirements** see: 'How To Order' table **Current Consumption** 100μA nominal at 5V supply (60μA at 1.8V) Bias Voltage 50% of supply voltage Settling Time 1 second **Output Impedance** 100 Ohms max. >108 Ohms at 500 Volts Case Isolation

Environmental

Operating Temperature Range	-40 to 120°C
Sealing	IP55
Maximum Shock	5000g
EMC	EN61326-1:2013
Electromagnetic Sensitivity	150 μg/gauss

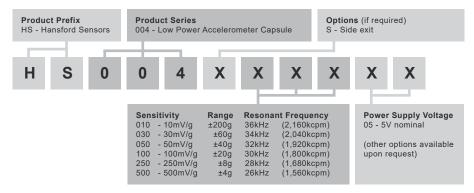
Typical Frequency Response (at 100mV/g)



Applications

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

How To Order





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