HS-004 Low Power Accelerometer Capsule

AC acceleration output

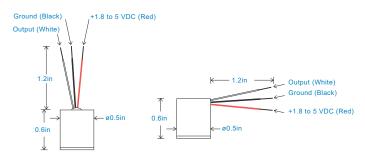
Key Features

- 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 72°F Frequency Response 18cpm (0.3Hz) to 900kcpm (15kHz) ± 3dB Isolation Base isolated Range see: 'How To Order' table @ 5V power Transverse Sensitivity Less than 5% **Broadband Resolution** <500 µg **Amplitude Linearity**

Mechanical

 Case Material
 Stainless Steel

 Sensing Element/Construction
 PZT/Shear

 Weight
 0.6 oz. (nominal)

Electrical

Electrical Noise < 500 µg

Power Requirements see: 'How To Order' table

Current Consumption 100 µA nominal at 5V supply (60 µA at 1.8V)

Bias Voltage 50% of supply voltage

Settling Time 1 second

Output Impedance 100 Ohms max.

Case Isolation >108 Ohms at 500 Volts

Environmental

 Operating Temperature Range
 -40 to 248°F

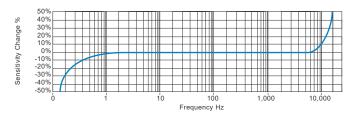
 Sealing
 IP55

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

 Electromagnetic Sensitivity
 150 µg/gauss

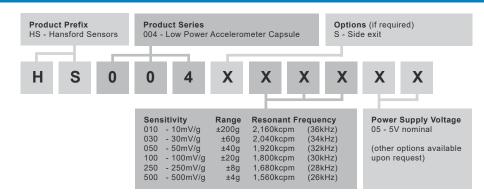
Typical Frequency Response (at 100mV/g)



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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