# **HS-104 Low Power Accelerometer**

AC acceleration output via M12 Connector

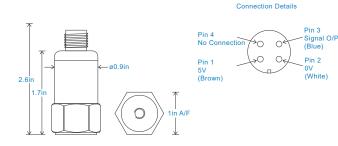
## **Key Features**

- · Low voltage
- Ultra low power consumption
- · Customizable features

#### Industries

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





## **Technical Performance**

Mounted Base Resonance Sensitivity

Frequency Response Isolation Range

Transverse Sensitivity
Amplitude Linearity

see 'How To Order' table (nominal) see: 'How To Order' table ±10% Nominal 80Hz at 72°C

18cpm (0.3Hz) to 600kcpm (10kHz) ± 10%

Base isolated
see: 'How To Order' table @ 5V power

Less than 5% ±1%

# Mechanical

Case Material Sensing Element/Construction Mounting Torque Weight

Sheilded Cable Assembly

Mounting Threads

Stainless Steel PZT/Shear 5.9ft. lbs

4.4 oz. (nominal) HS-AC010 - straight HS-AC011 - right angle

see: 'How To Order' table

#### **Electrical**

Case Isolation

Electrical Noise
Power Requirements
Current Consumption
Bias Voltage
Settling Time
Output Impedance

< 500μg 5V nominal (other voltages 1.8 to 24V on request) 100μA nominal at 5V supply (60μA at 1.8V) 50% of supply voltage 1 second

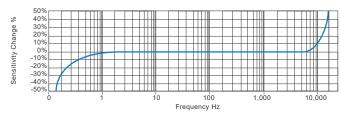
100 Ohms max. >108 Ohms at 500 Volts

# Environmental

Operating Temperature Range
Sealing
Maximum Shock
EMC

-58 to 257°F IP67 5000g EN61326-1:2013

## Typical Frequency Response (at 100mV/g)



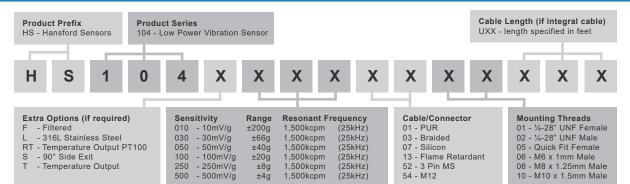
## **Applications**

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

Vibration sensor should be firmly fixed to a flat surface (spot face surface may be needed to be produced and cable anchored to sensor body.)



# How To Order





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