# **HS-170 Premium Accelerometer**

AC acceleration output via 2 Pin MS Connector

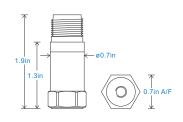
# **Key Features**

- · Compact design
- · Premium design
- · Customizable features

#### Industries

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







Connection Details

## **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 120cpm (2Hz) to 840kcpm (14kHz) ± 5% 90cpm (1.5Hz) to 960kcpm (16kHz) ± 10% 48cpm (0.8Hz) to 1,140kcpm (19kHz) ± 3dB

Isolation Base isolated Range see: 'How To Order' table Transverse Sensitivity Less than 5%

#### Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Shear Mounting Torque 5.9ft. lbs Weight 1.8 oz. (nominal) body only Sheilded Cable Assembly see: www.hansfordsensors.com for options Connector HS-AA004 - non-booted HS-AA053 or HS-AA054 - booted Mounting Threads see: 'How To Order' table

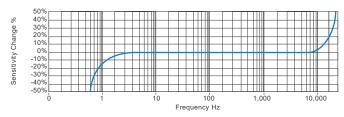
**Electrical** 

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 >108 Ohms at 500 Volts

#### Environmental

-67 to 300°F Operating Temperature Range **IP68** Sealing Maximum Shock 5000g **EMC** EN61326-1:2013

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



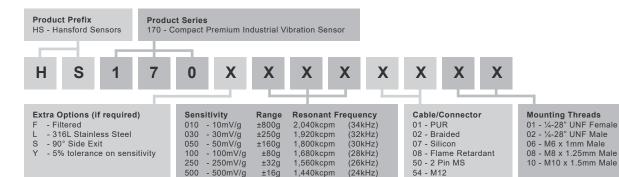
#### **Applications**

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

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





www.hansfordsensors.com

