HS-170S Premium Accelerometer

AC acceleration output via M12 Connector

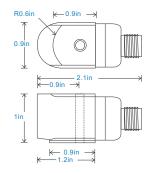
Key Features

- · Compact design
- Premium design
- · Side entry for easy access

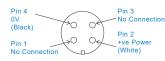
Industries

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









Technical Performance

 $\begin{tabular}{llll} Mounted Base Resonance & see 'How To Order' table (nominal) \\ Sensitivity & see: 'How To Order' table <math>\pm 10\%$ Nominal 80Hz at 72°F \\ Frequency Response & 120cpm (2Hz) to 840kcpm (14kHz) $\pm 5\%$ 90cpm (1.5Hz) to 960kcpm (16kHz) $\pm 10\%$ 48cpm (0.8Hz) to 1,140kcpm (19kHz) ± 3 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
Mounting Torque 5.9ft. lbs
Mounting Bolt Provided see: 'How To Order' table x 1.2in long
Weight 4.7 oz. (nominal) body only
Connector Use booted connector only
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

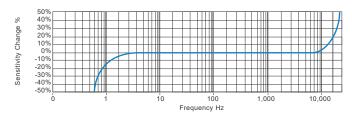
 Operating Temperature Range
 -67 to 300°F

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response (at 100mV/g)



Applications

07 - Silicon

54 - M12

50 - 2 Pin MS

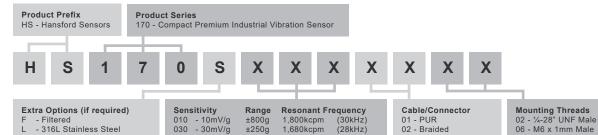
08 - Flame Retardant

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



±160g

±80a

±32g

,560kcpm

.440kcpm

1,320kcpm

1,200kcpm

(26kHz)

(24kHz)

(22kHz)

(20kHz)

- 50mV/g - 100mV/g

- 250mV/g

- 500mV/g

100



RT - Temperature Output PT100 S - 90° Side Exit

- 5% tolerance on sensitivity

- Temperature Output

www.hansfordsensors.com sales@hansfordsensors.com

08 - M8 x 1.25mm Male

