HS-172 Premium Biaxial Accelerometer

Two AC outputs via M12 Connector

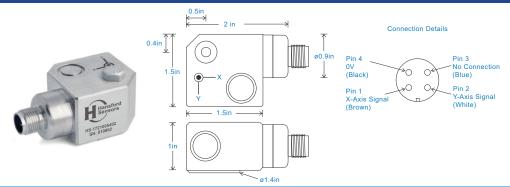
Key Features

- · Output via two axies
- · For use with data collector
- · Customizable features

Industries

Electrical

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



Technical Performance

Mounted Base Resonance

see 'How To Order' table (nominal)

+3kHz for aluminium version

Sensitivity

see: 'How To Order' table ±10%

Nominal 80Hz at 22°C per axies

Frequency Response

2Hz (120cpm) to 10kHz (600kcpm) ± 5%

1.5Hz (90cpm) to 12kHz (720kcpm) ± 10%

0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB

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

Mechanical

Case Material Stainless Steel unless specified Aluminium
Sensing Element/Construction PZT/Shear
Mounting Torque 8Nm
Mounting Bolt Provided see: 'How To Order' table x 30mm long
Weight 235gms (nominal) - Stainless Steel
115gms (nominal) - Aluminium
Screened Cable Assembly HS-AC010 - straight

 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

Mounting Threads

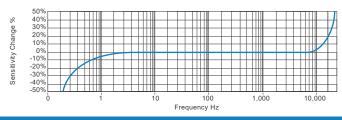
 Operating Temperature Range
 -67 to 300°F

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response (at 100mV/g)



Applications

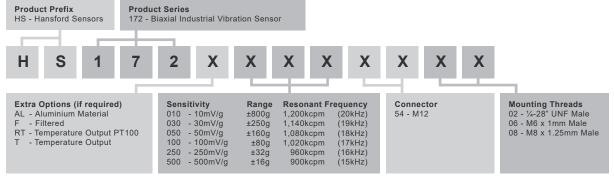
Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, VAC, Spindles, Machine Tooling, Process Equipment

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.)



see: 'How To Order' table

How To Order





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