HS-172 Premium Biaxial Accelerometer

Two AC outputs via M12 Connector

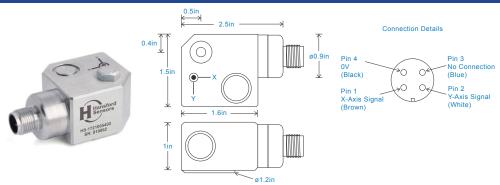
Key Features

- · 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 $\pm 10\%$ Nominal 80Hz at 22°C per axies Frequency Response 2Hz (120cpm) to 10kHz (600kcpm) $\pm 5\%$ 1.5Hz (90cpm) to 12kHz (720kcpm) $\pm 10\%$ 0.8Hz (48cpm) to 15kHz (900kcpm) $\pm 3dB$

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 Mounting Threads see: 'How To Order' table

Transverse Sensitivity Less than 5 %

 Electrical Noise
 0.1mg max

 Current Range
 0.5mA to 8mA

 Bias Voltage
 10 - 12 Volts DC

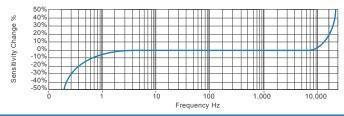
 Settling Time
 1 second

 Output Impedance
 200 Ohms max

 Case Isolation
 >108 Ohms at 500 Volts

Operating Temperature Range -67 to 266°F
Sealing IP67
Maximum Shock 5000g
EMC EN61326-1:2013

Typical Frequency Response (at 100mV/g)



Applications

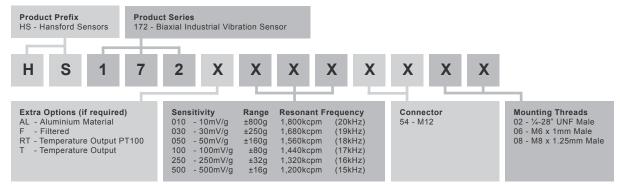
Environmental

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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