# **HS-173R Premium Triaxial Accelerometer**

**Three AC outputs via M12 Connector** 

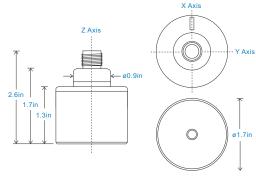
## **Key Features**

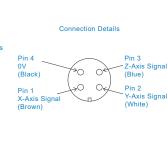
- · Output via three axies
- · For use with data collector
- · Customisable features

#### Industries

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 72°F per axies 2Hz (120cpm) to 10kHz (600kcpm) ± 5% Frequency Response 1.5Hz (90cpm) to 12kHz (720kcpm) ± 10% 0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB

Isolation Base isolated 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 Mounting Bolt Provided see: 'How To Order' table x 30mm long 194gms (nominal) - Stainless Steel Weight 100gms (nominal) - Aluminium Screened Cable Assembly HS-AC010 - straight see: 'How To Order' table

Mounting Threads

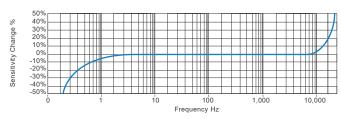
#### **Electrical**

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 266°F **IP67** Sealing Maximum Shock 5000g **EMC** EN61326-1:2013

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



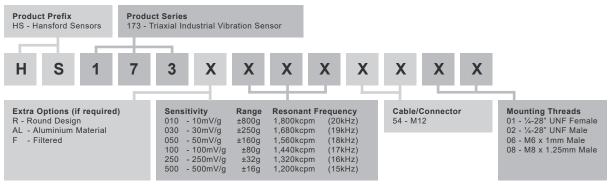
#### **Applications**

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





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