# **HS-173 Premium Triaxial Accelerometer**

Three AC outputs via M12 Connector

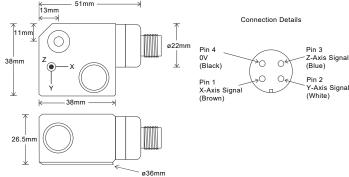
### **Key Features**

- · 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 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

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 235gms (nominal) - Stainless Steel Weight 115gms (nominal) - Aluminium Screened Cable Assembly HS-AC010 - straight Mounting Threads see: 'How To Order' table Mounting Stud HS-AS226, HS-AS221 or HS-AS222

# Electrical

 Electrical Noise
 0.1mg max

 Current Range
 0.5mA to 8mA

 Bias Voltage
 10 - 12 Volts DC

 Settling Time
 1 second

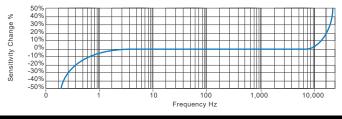
 Output Impedance
 200 Ohms max.

 Case Isolation
 >108 Ohms at 500 Volts

### Environmental

Operating Temperature Range	-55 to 150°C
Sealing	IP67
Maximum Shock	5000g
EMC	EN61326-1:2013

# Typical Frequency Response (at 100mV/g)



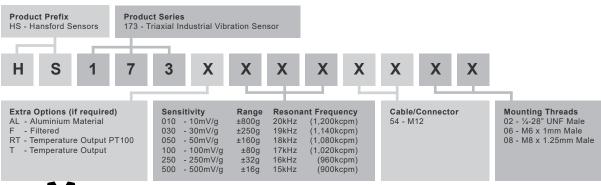
### **Applications**

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.)



### How To Order





UK