# **HS-173 Premium Triaxial Accelerometer**

AC acceleration output via 4 Core Polyolefin HFFR

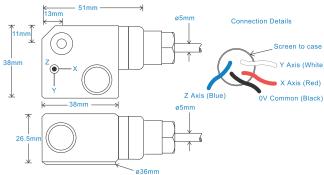
# **Key Features**

- · Output via three axes
- For use with data collector
- · Resistant to oil

#### Industries

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





# **Technical Performance**

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 Maximum Cable Length 1000 metres Standard Cable Length 5 metres Screened Cable Polyolefin HFFR - length to be specified with order Mounting Threads see: 'How To Order' table Mounting Stud HS-AS226, HS-AS221 or HS-AS222 Submersible Depth 100 metres max (10 bar)

#### 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

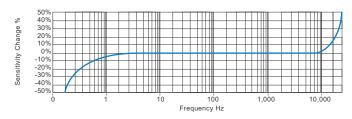
 Operating Temperature Range
 -55 to 130°C

 Sealing
 IP68

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

# Typical Frequency Response (at 100mV/g)



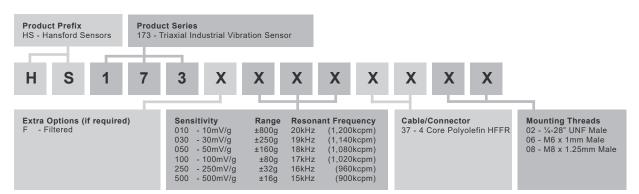
# **Applications**

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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