# **HS-420 Accelerometer**

4-20mA velocity output via 2 Pin MS Connector

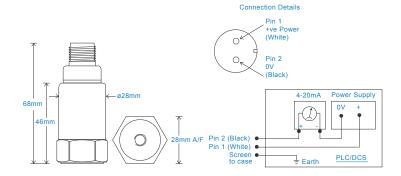
### **Key Features**

- · For use with PLC/DCS systems
- · Customisable features

#### Industries

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





### **Technical Performance**

## Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Compression
Mounting Torque 8Nm
Weight 150gms (nominal)
Screened Cable Asssembly see: www.hansfordsensors.com for options
Connector HS-AA004 - non-booted
HS-AA053 or HS-0054 - booted
Mounting Threads see: 'How To Order' table

## Electrical

Current Output 4-20mA DC proportional to Velocity Range
Supply Voltage 15-30 Volts DC (for 4-20mA)
Settling Time 2 seconds
Output Impedance Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation >10<sup>8</sup> Ohms at 500 Volts

### Environmental

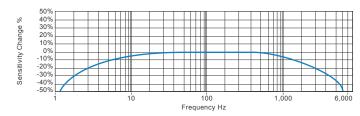
 Operating Temperature Range
 -25 to 90°C

 Sealing
 IP68

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

## Typical Frequency Response



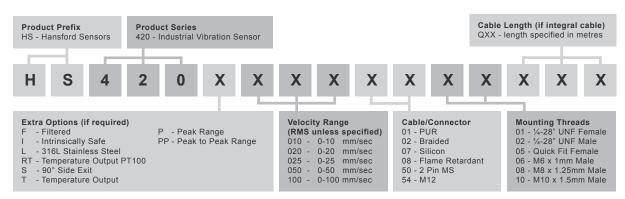
### **Applications**

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





www.hansfordsensors.com sales@hansfordsensors.com



