# **HS-420 Accelerometer**

# 4-20mA velocity output via Flame Retardant Cable

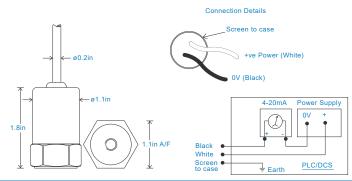
#### **Key Features**

- For use with PLC/DCS systems
- · Customizable features
- · Low smoke, halogen free cable

#### Industries

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





## Technical Performance

 Mounted Base Resonance
 5kHz min

 Velocity Ranges
 see: 'How To Order' table ±10%

 Nominal 80Hz at 72°F

 Frequency Response
 600cpm (10Hz) to 60kcpm (1kHz) ± 5% - ISO10816

 Isolation
 Base isolated

 Range
 50g peak

 Transverse Sensitivity
 Less than 5%

#### Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Compression Mounting Torque 5.9ft. lbs 5.2 oz. (nominal) body only Weight Maximum Cable Length 3,280 ft. Standard Cable Length 16 ft. Shielded Cable Flame Retardant - length to be specified with order Mounting Threads see: 'How To Order' table

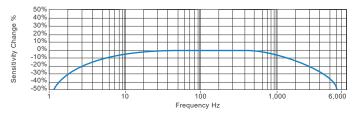
#### Electrical

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 >108 Ohms at 500 Volts

#### Environmental

Operating Temperature Range -13 to 194°F
Sealing IP65
Maximum Shock 5000g
EMC EN61326-1:2013

## Typical Frequency Response



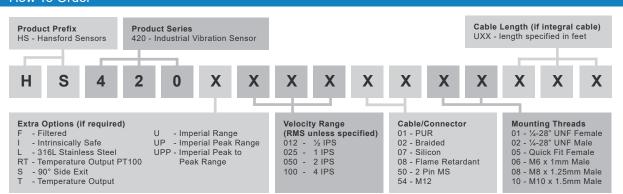
#### **Applications**

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





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