# **HS-420SRT Accelerometer**

# 4-20mA velocity and PT100 temperature output via M12 Connector

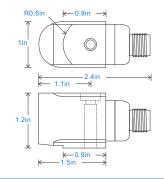
#### **Key Features**

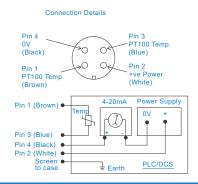
- · For use with PLC/DCS systems
- PT100 temperature output

#### 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)  $\pm$  5% - ISO10816 Isolation Base isolated Range 50g peak Temperature Output PT100 (100 Ohms) Transverse Sensitivity Less than 5%

#### Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Shear
Mounting Torque 5.9ft. lbs
Mounting Bolt Provided see: 'How To Order' table x 1.2in long
Weight 6.5 oz. (nominal) body only
Sheilded Cable Assembly HS-AC010 - straight
HS-AC011 - right angle
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 1 second
Output Impedance Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation >108 Ohms at 500 Volts

#### Environmental

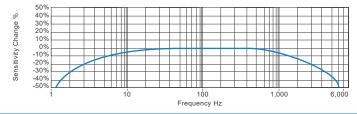
 Operating Temperature Range
 -13 to 194°F

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

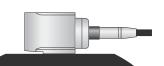
## Typical Frequency Response



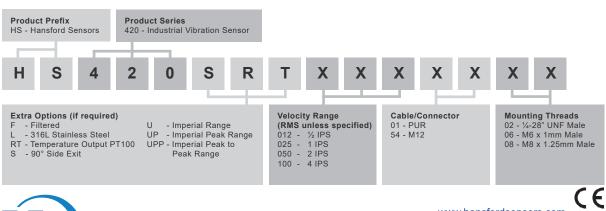
#### **Applications**

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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