# **HS-420S Accelerometer**

# 4-20mA velocity output via 2 Pin MS Connector

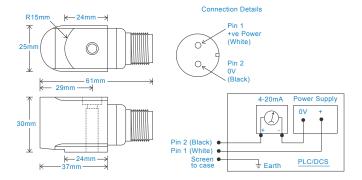
# **Key Features**

- · For use with PLC/DCS systems
- · Side entry for easy access
- · Customisable features

#### 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 22°C Frequency Response 10Hz (600cpm) to 1kHz (60kcpm) ± 5% - ISO10816 Isolation Base isolated Range 50g peak Transverse Sensitivity Less than 5%

#### Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Shear Mounting Torque 8Nm Mounting Bolt Provided see: 'How To Order' table x 30mm long 185gms (nominal) Screened Cable Assembly see: www.hansfordsensors.com for options Connector HS-AA004 - non-booted HS-AA053 or HS-0054 - booted

Mounting Threads see: 'How To Order' table

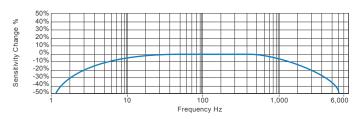
#### Electrical

**Current Output** 4-20mA DC proportional to Velocity Range Supply Voltage 15-30 Volts DC (for 4-20mA) Settling Time 1 second Output Impedance Loop Resistance 600 Ohms max. at 24 Volts Case Isolation >108 Ohms at 500 Volts

#### Environmental

-25 to 90°C Operating Temperature Range Sealing IP68 5000g Maximum Shock EN61326-1:2013 **EMC** 

# Typical Frequency Response



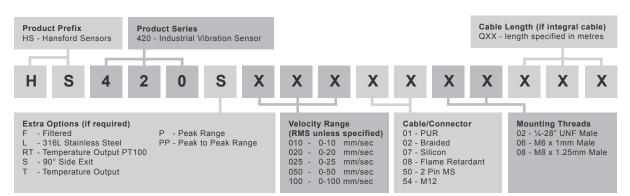
#### **Applications**

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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