HS-420S Accelerometer

4-20mA velocity output via 2 Pin MS Connector

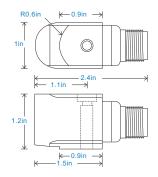
Key Features

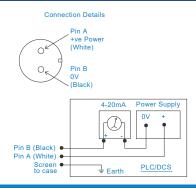
- · For use with PLC/DCS systems
- · Side entry for easy access
- · Customizable features

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 72°F Frequency Response 600cpm (10Hz) to 60kcpm (1kHz) ± 5% - ISO10816 Isolation Base isolated 50g peak Range 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 see: www.hansfordsensors.com for options Connector HS-AA004 - non-booted HS-AA053 or HS-0054 - booted Mounting Threads see: 'How To Order' table

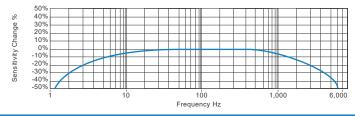
Electrical

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

Environmental

Operating Temperature Range -13 to 248°F Sealing IP68 Maximum Shock 5000g EMC EN61326-1:2013

Typical Frequency Response



Applications

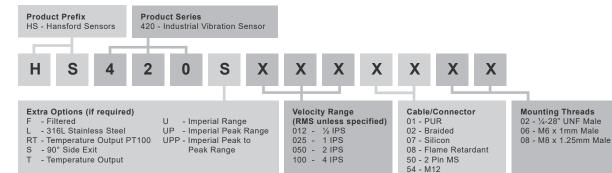
Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, VAC, Spindles, Machine Tooling, Process Equipment

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

- Temperature Output





www.hansfordsensors.com sales@hansfordsensors.com

