HS-422S Accelerometer

4-20mA acceleration output via M12 Connector

Key Features

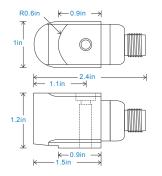
- 4-20mA acceleration output
- · For use with PLC/DCS systems
- · Side entry for easy access

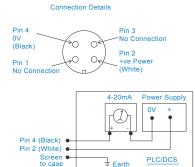
Industries

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



Less than 5%





Technical Performance

Mounted Base Resonance 10kHz min Acceleration Ranges see: 'How To Order' table ±10% Nominal 80Hz at 72°F Frequency Response 600cpm (10Hz) to 300kcpm (5kHz) ± 5% - ISO10816 Isolation Base isolated see: 'How To Order' table Range Transverse Sensitivity

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) Sheilded Cable Assembly HS-AC010 - straight HS-AC011 - right angle Mounting Threads see: 'How To Order' table

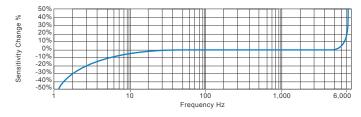
Electrical

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

Environmental

-13 to 194°F Operating Temperature Range Sealing IP67 Maximum Shock 5000g EMC EN61326-1:2013

Typical Frequency Response



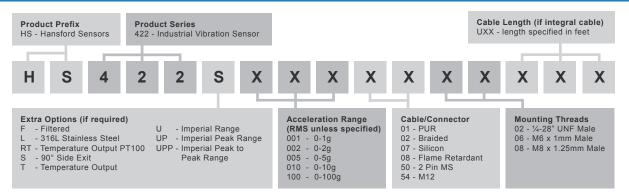
Applications

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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