HS-421S Accelerometer

4-20mA velocity and AC acceleration output via Braided Cable

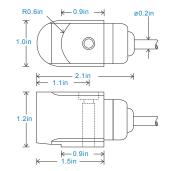
Key Features

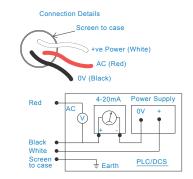
- Unique output
- For use with PLC/DCS systems and data collectors
- · Side entry for easy acccess

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

IsolationBase isolatedRangesee: 'How To Order' tableTransverse SensitivityLess 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 1.4in long Weight 6.5 oz. (nominal) Maximum Cable Length 3,280 ft. Standard Cable Length Braided - length to be specified with order Sheilded Cable Mounting Threads see: 'How To Order' table

Electrical

Case Isolation

Outputs

4-20mA DC current proportional to Range and AC acceleration
Bias Voltage

3 Volts DC (nominal)
Supply Voltage

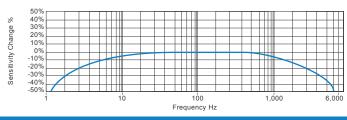
15-30 Volts DC (for 4-20mA)
Settling Time

1 second
Output Impedance
Loop Resistance 600 Ohms max. at 24 Volts

Environmental

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

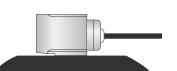
Typical Frequency Response



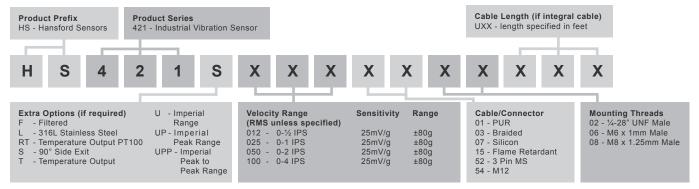
Applications

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



>108 Ohms at 500 Volts



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