HS-421S Accelerometer

4-20mA velocity and AC acceleration output via M12 Connector

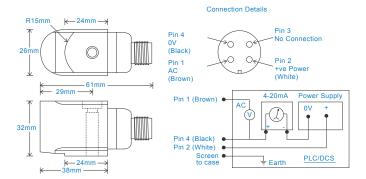
Key Features

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

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 see: 'How To Order' table Range Transverse Sensitivity Less than 5%

Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Shear Mounting Torque Mounting Bolt Provided see: 'How To Order' table x 35mm long Weight 185gms (nominal) HS-AC010 - straight Screened Cable Assembly HS-AC011 - right angle Mounting Threads see: 'How To Order' table

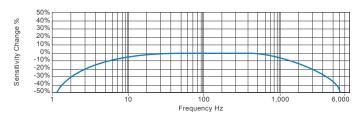
Electrical

Outputs 4-20mA DC current proportional to Range and AC acceleration Bias Voltage 3 Volts DC (nominal) 15-30 Volts DC (for 4-20mA) Supply Voltage 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 IP67 5000g Maximum Shock EN61326-1:2013 **EMC**

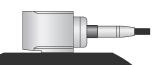
Typical Frequency Response



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

