HS-420S Accelerometer

4-20mA velocity output via FEP Cable with Protective Conduit

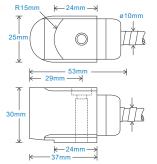
Key Features

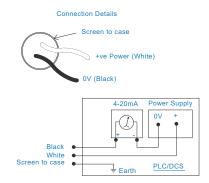
- · For use with PLC/DCS systems
- · Side entry for easy access
- Protective Conduit

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

Stainless Steel Case Material Sensing Element/Construction PZT/Compression Mounting Torque Weight 150gms (nominal) body only Maximum Cable Length 1000 metres Standard Cable Length 5 metres Mounting Threads see: 'How To Order' table Conduit Material 316 Stainless Steel Conduit Length Conduit Length is approx. 0.5m shorter than the cable

Maximum Conduit Length: 30m

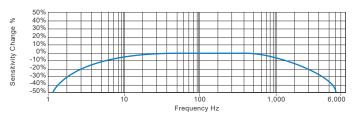
Electrical

Current Output 4-20mA DC proportional to Velocity Range Supply Voltage 15-30 Volts DC (for 4-20mA) Settling Time 2 seconds Output Impedance Loop Resistance 600 Ohms max. at 24 Volts Case Isolation >108 Ohms at 500 Volts

Environmental

Operating Temperature Range -25 to 120°C Sealing IP65 Maximum Shock 5000g **EMC** EN61326-1:2013

Typical Frequency Response



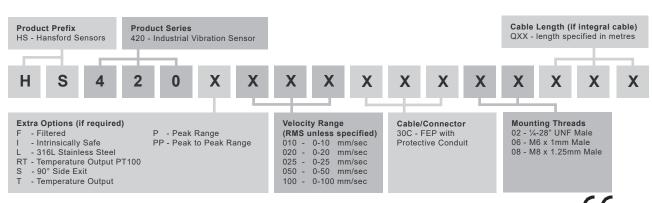
Applications

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





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