HS-420 Accelerometer

4-20mA velocity output via Silicon Cable

Key Features

- · For use with PLC/DCS systems
- · Waterproof

Industries

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



Connection Details Screen to case +ve Power (White) No Connection (Red) OV (Black) 1.1in A/F Black White Screen Connection Details Screen to case +ve Power (White) No Connection (Red) OV (Black)

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

Range 50g peak

Transverse Sensitivity Less than 5%

Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Compression Mounting Torque 5.9ft. lbs 5.2 oz. (nominal) body only Weight Maximum Cable Length 3.280 ft. Standard Cable Length Shielded Cable Silicon - length to be specified with order Mounting Threads see: 'How To Order' table Submersible Depth 328 ft. max (10 bar)

Electrical

Current Output

4-20mA DC proportional to Velocity Range
Supply Voltage

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

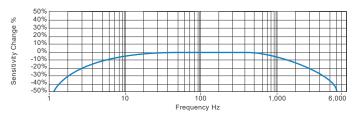
2 seconds
Output Impedance
Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation

>108 Ohms at 500 Volts

Environmental

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

Typical Frequency Response



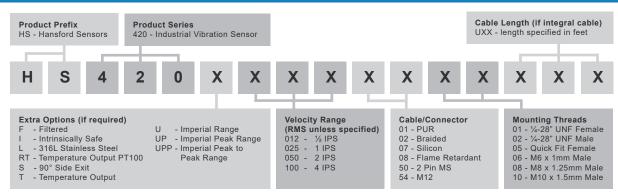
Applications

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





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