HS-420T Accelerometer

4-20mA velocity and temperature output via M12 Connector

Key Features

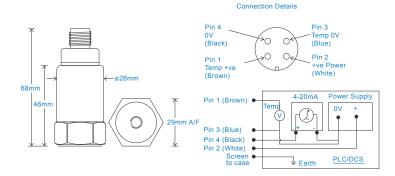
- For use with PLC/DCS systems
- Temperature output

Industries

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



Less than 5%



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) \pm 5% - ISO10816 Isolation Base isolated Range 50g peak Temperature Output 10mV/°C - 0-1V proportional to 0-100°C (to convert this to 4-20mA use the HS-540 module)

Transverse Sensitivity

Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Compression
Mounting Torque 8Nm
Weight 150gms (nominal)
Mating Connector M12 - Straight or Right Angle
Requires screened cable assembly
Mounting Threads see: 'How To Order' table

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

Output Impedance Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation >108 Ohms at 500 Volts

Environmental

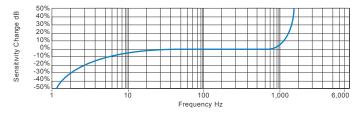
 Operating Temperature Range
 -25 to 90°C

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response



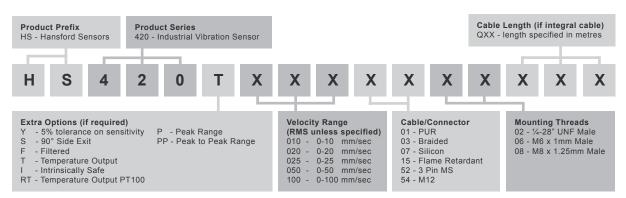
Applications

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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