HS-420RT Accelerometer

4-20mA velocity and PT100 temperature output via M12 Connector

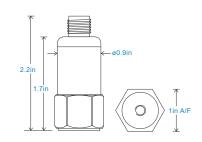
Key Features

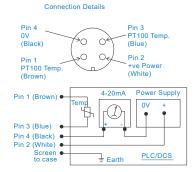
- · For use with PLC/DCS systems
- PT100 temperature output

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 isolatedRange50g peakTemperature OutputPT100 (100 Ohms)Transverse SensitivityLess than 5%

Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Compression
Mounting Torque 5.9ft. lbs
Weight 3.5 oz. (nominal) body only
Sheilded Cable Assembly HS-AC010 - straight
HS-AC011 - right angle
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
Case Isolation >108 Ohms at 500 Volts

Environmental

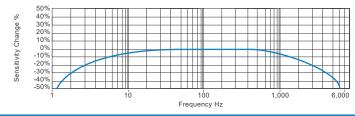
 Operating Temperature Range
 -13 to 248°F

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response



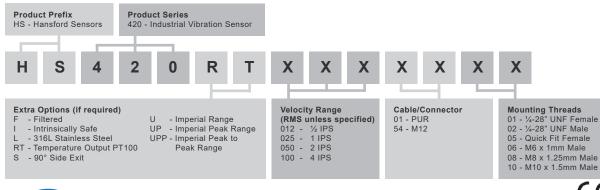
Applications

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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