HS-421T Accelerometer

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

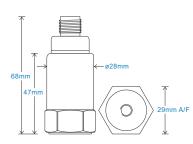
Key Features

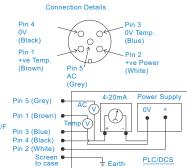
- Unique output
- For use with PLC/DCS systems and data collectors
- Temperature output

Industries

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







Technical Performance

- ISO10816
Isolation Base isolated
Range see: 'How To Order' table
Temperature Output 10mV/°C - 0-1V proportional to 0-100°C (to convert
this to 4-20mA use the HS-540 module)

Transverse Sensitivity Less than 5%

Mechanical

 Case Material
 Stainless Steel

 Sensing Element/Construction
 PZT/Compression

 Mounting Torque
 8Nm

 Weight
 150gms (nominal) body only

 Screened Cable Assembly
 HS-AC303 - straight

 HS-AC032 - 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)
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

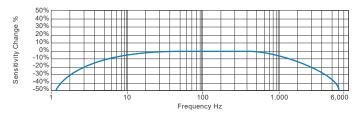
 Operating Temperature Range
 -25 to 90°C

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response (4-20mA signal)



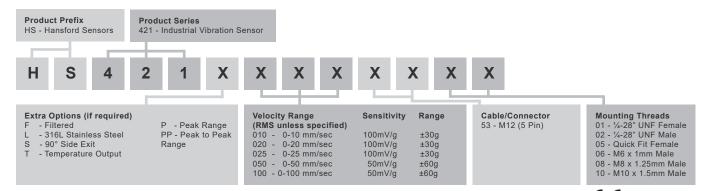
Applications

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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