HS-107 Accelerometer

AC acceleration output via M12 Connector

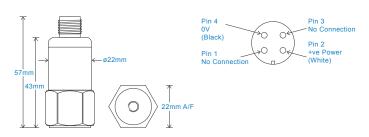
Key Features

- · Line drive
- · Customisable features
- · For use with data collector

Industries

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





Connection Details

Technical Performance

Mounted Base Resonance see 'How To Order' table (nominal) Sensitivity see: 'How To Order' table ±10% Nominal 80Hz at 22°C 2Hz (120cpm) to 10kHz (600kcpm) ± 5% Frequency Response 1.5Hz (90cpm) to 12kHz (720kcpm) ± 10% 0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB Isolation Base isolated see: 'How To Order' table Range Transverse Sensitivity Less than 5%

Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Compression Mounting Torque 8Nm 106gms (nominal) body only Weight HS-AC010 - straight Screened Cable Assembly HS-AC011 - right angle Mounting Threads see: 'How To Order' table

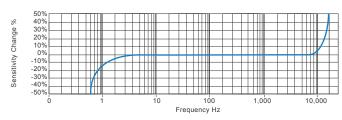
Electrical

Electrical Noise 0.1mg max Supply Voltage 7.5 - 24Volts DC Bias Current 3.5mA Settling Time 2 seconds Output Impedance 200 Ohms max Case Isolation >108 Ohms at 500 Volts

Environmental

-55 to 140°C **Operating Temperature Range** Sealing IP67 Maximum Shock 5000g **EMC** EN61326-1:2013

Typical Frequency Response



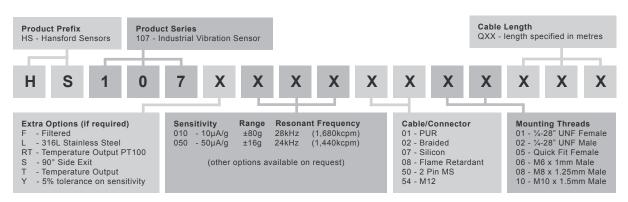
Applications

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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