HS-107 Accelerometer

AC acceleration output via 2 Pin MS Connector

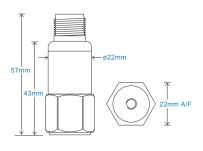
Key Features

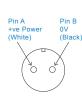
- Line Drive
- · For use with data collector
- · Customisable features

Industries

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







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 Weight 106gms (nominal) body only Screened Cable Assembly see: www.hansfordsensors.com for options HS-AA004 - non-booted Connector HS-AA053 or HS-AA054 - booted see: 'How To Order' table Mounting Threads

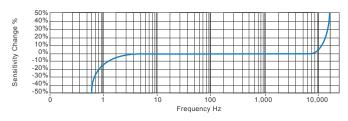
Electrical

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 IP68 Maximum Shock 5000g **EMC** EN61326-1:2013

Typical Frequency Response (at 100mV/g)



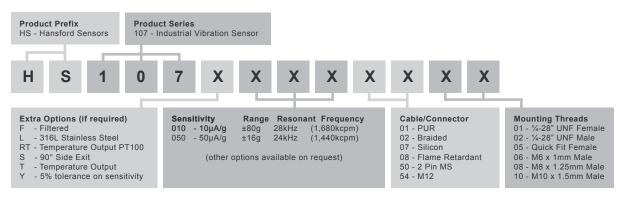
Applications

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





www.hansfordsensors.com sales@hansfordsensors.com

