HS-170S Premium Accelerometer

AC acceleration output via M12 Connector

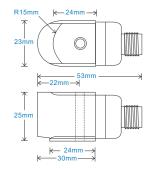
Key Features

- Compact design
- · Premium design
- · Side entry for easy access

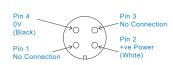
Industries

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

 Frequency Response
 2Hz (120cpm) to 14kHz (840kcpm) ± 5%

 1.5Hz (90cpm) to 16kHz (960kcpm) ± 10%
 0.8Hz (48cpm) to 19kHz (1,140kcpm) ± 3dB

 Isolation
 Base isolated

 Range
 see: 'How To Order' table

 Transverse Sensitivity
 Less than 5%

Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Shear
Mounting Torque 8 Nm
Mounting Bolt Provided see: 'How To Order' table x 30mm long
Weight 135gms (nominal) body only
Connector Use booted connector only
Mounting Threads see: 'How To Order' table

Electrical

 Electrical Noise
 0.1mg max

 Current Range
 0.5mA to 8mA

 Bias Voltage
 10 - 12 Volts DC

 Settling Time
 1 second

 Output Impedance
 200 Ohms max.

 Case Isolation
 >108 Ohms at 500 Volts

Environmental

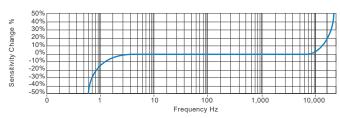
 Operating Temperature Range
 -55 to 150°C

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response (at 100mV/g)

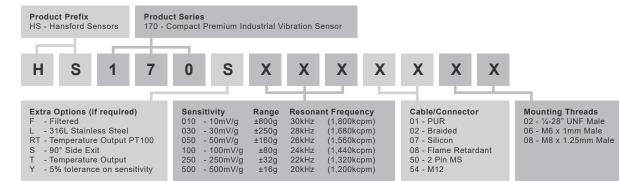


Applications

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





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