HS-100S Accelerometer

AC output via 2 Pin MS Connector

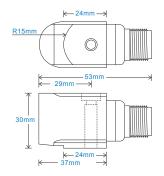
Key Features

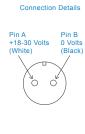
- · For use with data collector
- · Side entry for easy access
- · Customisable features

Industries

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







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 10kHz (600kcpm) ± 5%
1.5Hz (90cpm) to 12kHz (720kcpm) ± 10%
0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB
Isolation Base isolated
Range see: 'How To Order' table
Transverse Sensitivity Less than 5%

Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Compression
Mounting Torque 8Nm
Mounting Bolt provided see: 'How To Order' table x 35mm long
Weight 185gms (nominal)
Mating Connector HS-AA004 or Cable Assembly
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
 2 seconds

 Output Impedance
 200 Ohms max.

 Case Isolation
 >108 Ohms at 500 Volts

Environmental

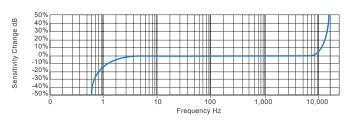
 Operating Temperature Range
 -55 to 140°C

 Sealing
 IP68

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response (at 100mV/g)



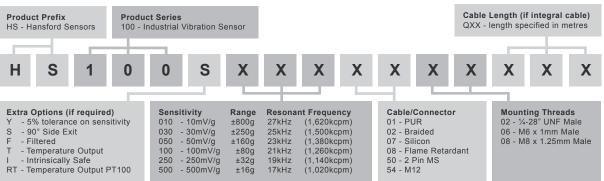
Applications

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



We reserve the right to alter the specification of this product without prior notice



Vertriebspartner für Deutschland



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