HS-160 Accelerometer

AC velocity output via 2 Pin MS Connector

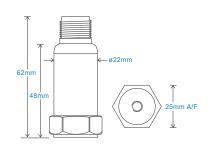
Key Features

- · For use with data collector
- · AC velocity output
- Customisable features

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 3Hz (180cpm) to 4.5kHz (270kcpm) ± 10%
2Hz (120cpm) to 6kHz (360kcpm) ± 3dB
Isolation Base isolated
Range see: 'How To Order' table
Transverse Sensitivity Less than 5%

Mechanical

Case Material

Stainless Steel SS303 as standard (SS316L available on request)

Sensing Element/Construction

Mounting Torque

8Nm

Weight

130gms (nominal)

Screened Cable Assembly

See: www.hansfordsensors.com for options

Connector

HS-AA004 - non-booted

HS-AA053 or HS-0054 - booted

Mounting Threads

Steel SS303 as standard (SS316L available on request)

Electrical

 Excitation Voltage
 18-30Volts DC

 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

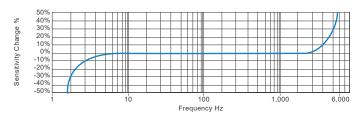
 Operating Temperature Range
 -55 to 140°C

 Sealing
 IP68

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response



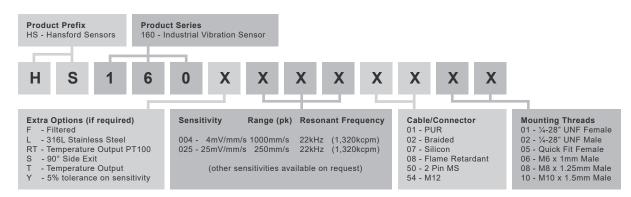
Applications

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

