HS-160 Accelerometer

AC velocity output via 2 Pin MS Connector

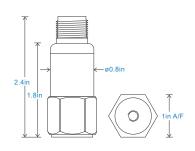
Key Features

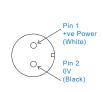
- · For use with data collector
- · AC velocity output
- · Customizable features

Industries

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







Connection Details

Technical Performance

Mounted Base Resonance Sensitivity

Frequency Response

Isolation Range

Transverse Sensitivity

see 'How To Order' table (nominal) see: 'How To Order' table ±10% Nominal 80Hz at 72°F

180cpm (3Hz) to 270kcpm (4.5kHz) ± 10% 120cpm (2Hz) to 360kcpm (6kHz) ± 3dB

Base isolated see: 'How To Order' table Less than 5%

Mechanical

Case Material

Sensing Element/Construction Mounting Torque Weight Screened Cable Assembly

Connector

Mounting Threads

Stainless Steel SS303 as standard (SS316L available on request)

> PZT/Compression 5.9ft. lbs

4.5 oz. (nominal) body only see: www.hansfordsensors.com for options HS-AA004 - non-booted

HS-AA053 or HS-0054 - booted

see: 'How To Order' table

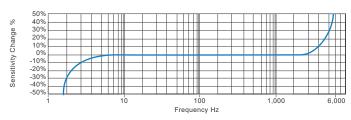
Electrical

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. >108 Ohms at 500 Volts Case Isolation

Environmental

-67 to 284°F **Operating Temperature Range** IP68 Sealing Maximum Shock 5000g EMC EN61326-1:2013

Typical Frequency Response



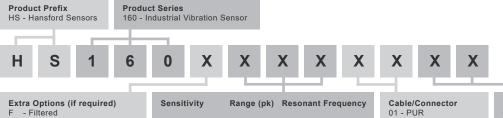
Applications

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



- 316L Stainless Steel

RT - Temperature Output PT100

S - 90° Side Exit

- Temperature Output - 5% tolerance on sensitivity

004 - 4mV/mm/s 1000mm/s 22kHz (1,320kcpm) 025 - 25mV/mm/s 250mm/s 22kHz (1,320kcpm)

(other sensitivities available on request)

02 - Braided

07 - Silicon

08 - Flame Retardant

50 - 2 Pin MS 54 - M12

Mounting Threads

01 - ¼-28" UNF Female 02 - ¼-28" UNF Male

05 - Quick Fit Female 06 - M6 x 1mm Male

08 - M8 x 1.25mm Male 10 - M10 x 1.5mm Male



www.hansfordsensors.com sales@hansfordsensors.com

