HS-160T Accelerometer

AC velocity and temperature output via 3 Pin MS Connector

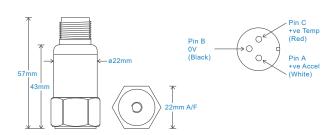
Key Features

- · For use with data collector
- · AC velocity output
- Temperature output

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 3Hz (180cpm) to 4.5kHz (270kcpm) ± 10% Frequency Response 2Hz (120cpm) to 6kHz (360kcpm) ± 3dB Isolation Base isolated Range see: 'How To Order' table 10 mV/°C standard 100°C - Option 140°C Temperature Output 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 Asssembly see: www.hansfordsensors.com for options
Connector HS-AA005 - non-booted
HS-AA068 or HS-0069 - booted
Mounting Threads see: 'How To Order' table

Electrical

 Excitation Voltage
 18-30 Volts 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

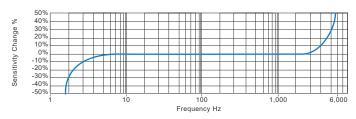
 Operating Temperature Range
 -55 to 140°C

 Sealing
 IP68

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response



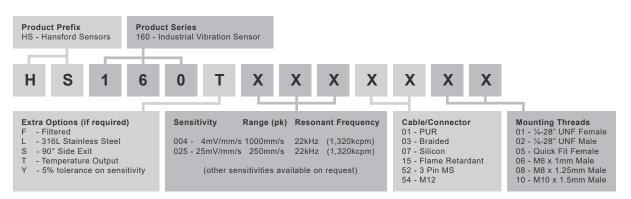
Applications

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

