HS-170 Premium Accelerometer

AC acceleration output via 2 Pin MS Connector

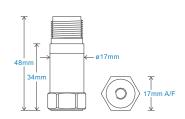
Key Features

- · Compact design
- · Premium design
- 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
 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
Weight 52gms (nominal) body only
Screened Cable Assembly see: www.hansfordsensors.com for options
Connector HS-AA054 - non-booted
HS-AA053 or HS-AA054 - booted
Mounting Threads see: 'How To Order' table

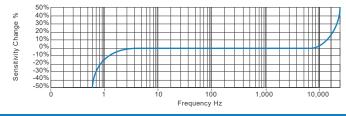
Electrical

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	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

Typical Frequency Response (at 100mV/g)



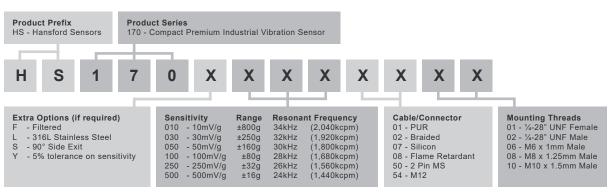
Applications

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





www.hansfordsensors.com sales@hansfordsensors.com

