HS-170ST Premium Accelerometer

AC acceleration and temperature output via M12 Connector

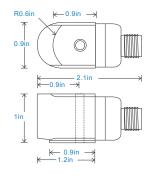
Key Features

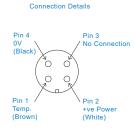
- · Compact and premium design
- Temperature output
- · Side entry for easy access

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 $\pm 10\%$ Nominal 80Hz at 72° F Frequency Response 120cpm (2Hz) to 840kcpm (14kHz) $\pm 5\%$ 90cpm (1.5Hz) to 960kcpm (16kHz) $\pm 10\%$ 48cpm (0.8Hz) to 1,140kcpm (19kHz) $\pm 3d$ B Isolation

Range see: 'How To Order' table
Temperature Output 10 mV/°C standard 212°F - Option 266°F
Transverse Sensitivity Less than 5%

Mechanical

Case MaterialStainless SteelSensing Element/ConstructionPZT/ShearMounting Torque5.9ft. lbsMounting Bolt Providedsee: 'How To Order' table x 1.2in longWeight4.7 oz. (nominal) body onlyConnectorUse booted connector onlyMounting Threadssee: '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

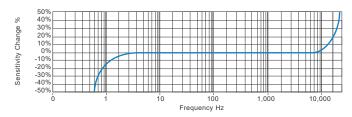
 Operating Temperature Range
 -67 to 300°F

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response (at 100mV/g)



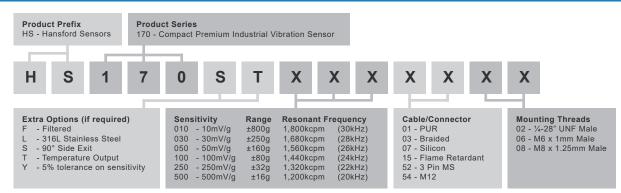
Applications

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





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