HS-173T Premium Triaxial Accelerometer

Three AC and temperature outputs via M12 Connector

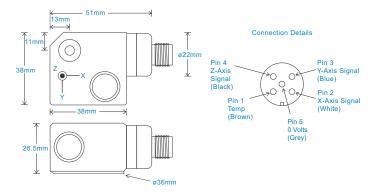
Key Features

- •Temperature Output
- ·Output via three axes
- ·For use with data collector
- •Customisable features

Industries

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





Technical Performance

 $\begin{tabular}{lll} Mounted Base Resonance & see 'How To Order' table (nominal) \\ & +3kHz \ for \ aluminium \ version \\ Sensitivity & see: 'How To Order' table <math>\pm 10\%$ Nominal 80Hz at 22°C per axies $Frequency \ Response & 2Hz \ (120cpm) \ to \ 10kHz \ (600kcpm) \pm 5\% \\ & 1.5Hz \ (90cpm) \ to \ 12kHz \ (720kcpm) \pm 10\% \\ & 0.8Hz \ (48cpm) \ to \ 15kHz \ (900kcpm) \pm 3dB \\ Isolation & Base \ isolated \\ \end{tabular}$

Range see: 'How To Order' table
Temperature Output 10mV/°C
Transverse Sensitivity Less than 5%

Mechanical

Stainless Steel unless specified Aluminium Case Material Sensing Element/Construction PZT/Shear Mounting Torque 8Nm Mounting Bolt Provided see: 'How To Order' table x 30mm long 235gms (nominal) - Stainless Steel Weight 115gms (nominal) - Aluminium Screened Cable Assembly HS-AC303 - straight HS-AC032 - right angle 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

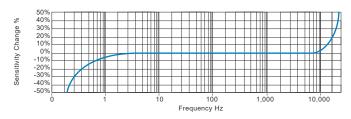
 Operating Temperature Range
 -55 to 150°C

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

Typical Frequency Response (at 100mV/g)



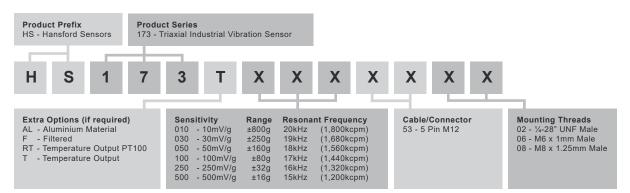
Applications

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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