HS-172 Premium Biaxial Accelerometer

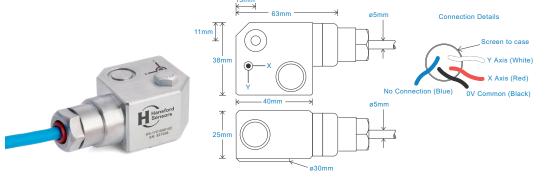
Two AC outputs via PUR cable

Key Features

- · Output via two axies
- · For use with data collector
- · Customisable features

Industries

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



Technical Performance

Mounted Base Resonance see 'How To Order' table (nominal) +3kHz for aluminium version see: 'How To Order' table ±10% Sensitivity Nominal 80Hz at 22°C per axies Frequency Response 2Hz (120cpm) to 10kHz (600kcpm) ± 5% 1.5Hz (90cpm) to 12kHz (720kcpm) ± 10% 0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB Isolation Base isolated

see: 'How To Order' table Less than 5% Transverse Sensitivity

Mechanical

Case Material Stainless Steel unless specified Aluminium Sensing Element/Construction PZT/Shear Mounting Torque Mounting Bolt Provided see: 'How To Order' table x 30mm long 235gms (nominal) - Stainless Steel Weight 115gms (nominal) - Aluminium Maximum Cable Length 1000 metres Standard Cable Length 5 metres Screened Cable PUR - length to be specified with order Mounting Threads see: 'How To Order' table 100 metres max (10 bar) Submersible Depth

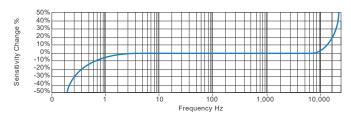
Electrical

Electrical Noise 0.1mg max Current Range 0.5mA to 8mA Bias Voltage 10 - 12 Volts DC Settling Time 1 second 200 Ohms max Output Impedance Case Isolation >108 Ohms at 500 Volts

Environmental

Operating Temperature Range	-30 to 90°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

Typical Frequency Response (at 100mV/g)



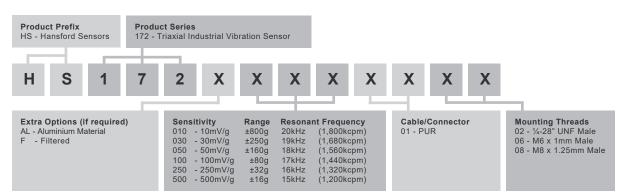
Applications

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

