HS-170 Premium Accelerometer

AC acceleration output via PUR Cable

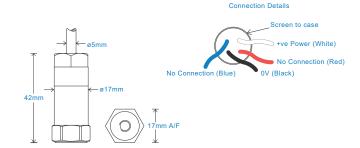
Key Features

- Compact design
- · Waterproof
- · Resistant to oil
- 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) Sensitivity see: 'How To Order' table ±10% Nominal 80Hz at 22°C 2Hz (120cpm) to 14kHz (840kcpm) ± 5% Frequency Response 1.5Hz (90cpm) to 16kHz (960kcpm) ± 10% 0.8Hz (48cpm) to 19kHz (1,140kcpm) ± 3dB Isolation Base isolated see: 'How To Order' table Range Transverse Sensitivity Less than 5%

Mechanical

Stainless Steel Case Material Sensing Element/Construction PZT/Shear Mounting Torque 8 Nm 52gms (nominal) body only Weight Maximum Cable Length 1000 metres Standard Cable Length 5 metres Screened Cable PUR - length to be specified with order see: 'How To Order' table Mounting Threads Submersible Depth 100 metres max (10 bar)

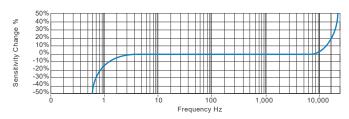
Electrical

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

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

Typical Frequency Response (at 100mV/g)



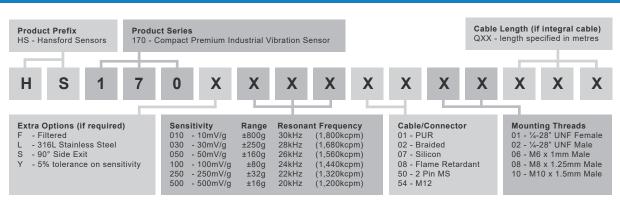
Applications

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





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