# **HS-150S Premium Accelerometer**

AC acceleration output via PUR Cable

#### **Key Features**

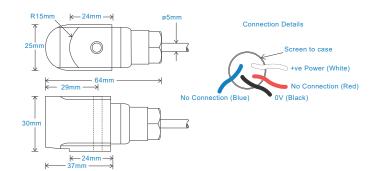
- Waterproof
- · Resistant to oil
- · Premium design

#### 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 1.5Hz (90cpm) to 10kHz (600kcpm) ± 5% Frequency Response 0.5Hz (30cpm) to 12kHz (720kcpm) ± 10% 0.2Hz (12cpm) to 15kHz (900kcpm)  $\pm$  3dB Isolation Base isolated see: 'How To Order' table Range Transverse Sensitivity Less than 5%

#### Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Shear Mounting Torque Mounting Bolt provided see: 'How To Order' table x 35mm long 205gms (nominal) body only Maximum Cable Length 1000 metres Standard Cable Length Screened Cable PUR - length to be specified with order Mounting Threads see: 'How To Order' table Submersible Depth 100 metres max (10 bar)

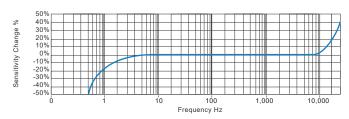
#### Electrical

**Excitation Voltage:** 18-30Volts DC **Electrical Noise** 0.1mg max Current Range 0.5mA to 8mA Bias Voltage 10 - 12 Volts DC Settling Time 2 seconds Output Impedance 200 Ohms max. >108 Ohms at 500 Volts Case Isolation

#### Environmental

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

## Typical Frequency Response (at 100mV/g)



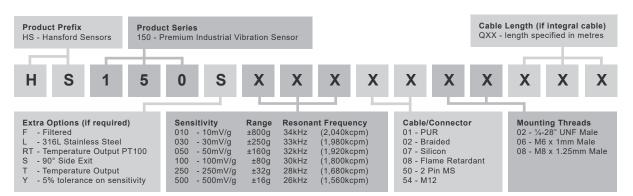
#### **Applications**

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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