# **HS-100S Accelerometer**

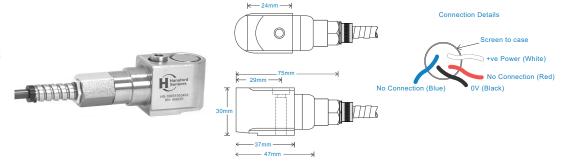
AC acceleration output via 4 Core PUR Cable with Removable Stainless Steel Conduit

#### **Key Features**

- Waterproof to IP68
- · Side entry for easy access
- Removable Stainless Steel Conduit

#### Industries

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



## **Technical Performance**

#### Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Compression
Mounting Torque 8Nm
Mounting Bolt provided see: 'How To Order' table x 30mm long
Weight 185gms (nominal) body only
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

#### Electrical

 Excitation Voltage:
 18-30 Volts 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

 Case Isolation
 >108 Ohms at 500 Volts

#### Environmental

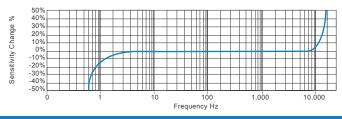
 Operating Temperature Range
 -30 to 90°C

 Sealing
 IP68

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

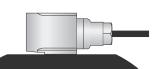
# Typical Frequency Response (at 100mV/g)



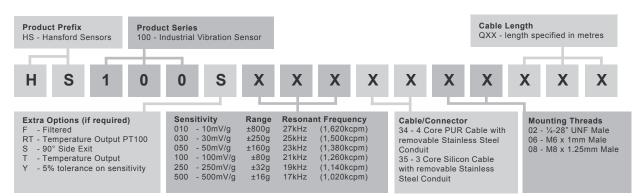
#### **Applications**

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





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