# **HS-150S Premium Accelerometer**

AC acceleration output via 2 Pin MS Connector

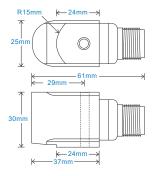
# **Key Features**

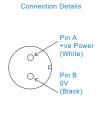
- For use with data collector and online systems
- · Side entry for easy access
- Customisable features

#### 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

 Frequency Response
 1.5Hz (90cpm) to 10kHz (600kcpm) ± 5%

 0.5Hz (30cpm) to 12kHz (720kcpm) ± 10%

 0.2Hz (12cpm) to 15kHz (900kcpm) ± 3dB

 Isolation
 Base isolated

 Range
 see: 'How To Order' table

 Transverse Sensitivity
 Less than 5%

#### Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Shear
Mounting Torque 8Nm
Mounting Bolt provided see: 'How To Order' table x 35mm long
Weight 205gms (nominal) body only
Screened Cable Assembly see: www.hansfordsensors.com for options
Connector HS-AA004 - non-booted
HS-AA053 or HS-AA054 - booted
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

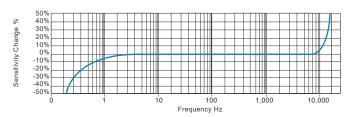
 Operating Temperature Range
 -55 to 150°C

 Sealing
 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

