# **HS-100 Accelerometer**

AC acceleration output via M12 Connector

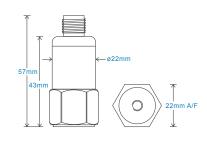
## **Key Features**

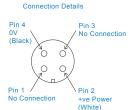
- · Most common seller
- · For use with data collector
- · Customisable features

#### 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
Weight 106gms (nominal) body only
Screened Cable Assembly HS-AC010 - straight
HS-AC011 - right angle
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

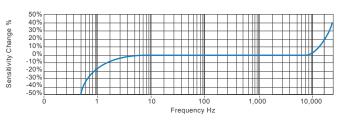
 Operating Temperature Range
 -55 to 140°C

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

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



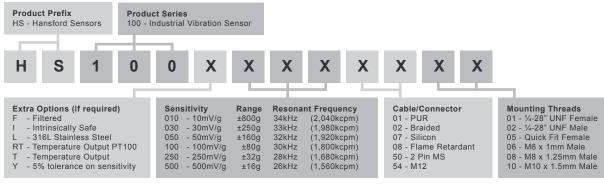
#### **Applications**

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

