# **HS-420 Accelerometer**

4-20mA velocity output via M12 Connector

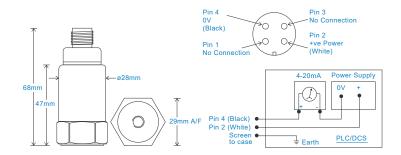
### **Key Features**

- For use with PLC/DCS systems
- Customisable features

#### Industries

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





Connection Details

# **Technical Performance**

Mounted Base Resonance 5kHz min

Velocity Ranges see: 'How To Order' table ±10%

Nominal 80Hz at 22°C

Frequency Response 10Hz (600cpm) to 1kHz (60kcpm) ± 5% - ISO10816

Isolation Base isolated

Range 50g peak

Transverse Sensitivity Less than 5%

#### Mechanical

Case Material Stainless Steel
Sensing Element/Construction PZT/Compression
Mounting Torque 8Nm
Weight 150gms (nominal) body only
Screened Cable Assembly HS-AC010 - straight
HS-AC011 - right angle
Mounting Threads see: 'How To Order' table

#### Electrical

Current Output 4-20mA DC proportional to Velocity Range
Supply Voltage 15-30 Volts DC (for 4-20mA)
Settling Time 2 seconds
Output Impedance Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation >10<sup>8</sup> Ohms at 500 Volts

#### Environmental

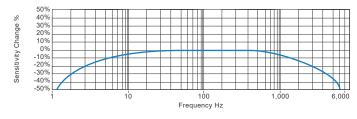
 Operating Temperature Range
 -25 to 90°C

 Sealing
 IP67

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

# Typical Frequency Response



# **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

