# **HS-420RT Accelerometer**

4-20mA velocity and PT100 temperature output via M12 Connector

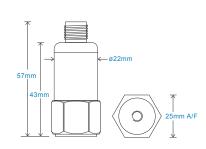
# **Key Features**

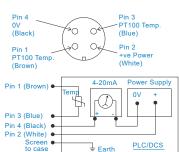
- For use with PLC/DCS systems
- PT100 temperature output

#### 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 Temperature Output PT100 (100 Ohms) Transverse Sensitivity Less than 5%

#### Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Compression Mounting Torque 8Nm 100gms (nominal) body only Weight HS-AC010 - straight Screened Cable Assembly HS-AC011 - right angle Mounting Threads see: 'How To Order' table

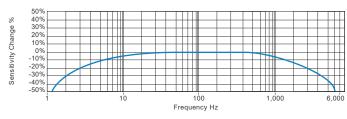
#### Electrical

**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 >108 Ohms at 500 Volts Case Isolation

# Environmental

-25 to 90°C Operating Temperature Range Sealing IP67 Maximum Shock 5000g **EMC** EN61326-1:2013

# Typical Frequency Response



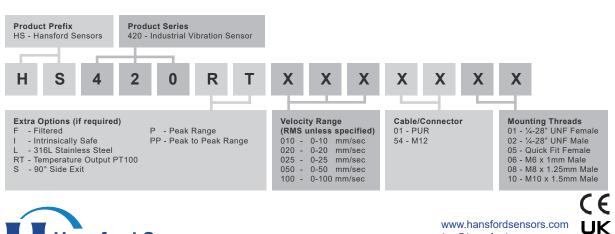
### **Applications**

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





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