# **HS-420 Accelerometer**

## 4-20mA velocity output via FEP Cable with Protective Conduit

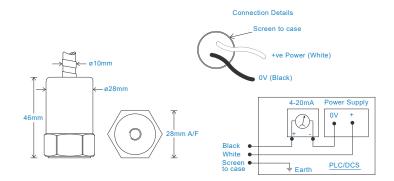
#### **Key Features**

- · For use with PLC/DCS systems
- · Customisable features

#### Industries

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





#### **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 Weight 150gms (nominal) body only Maximum Cable Length 1000 metres Standard Cable Length 5 metres Mounting Threads see: 'How To Order' table Conduit Material 304 Stainless Steel Conduit Length Conduit Length is approx. 0.5m shorter than the cable

Maximum Conduit Length: 30m

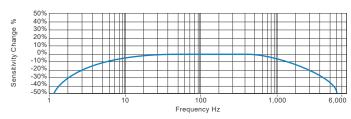
#### Electrical

**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 >108 Ohms at 500 Volts

#### Environmental

Operating Temperature Range -25 to 120°C Sealing IP65 Maximum Shock 5000g **EMC** EN61326-1:2013

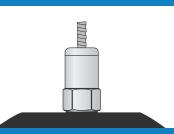
### Typical Frequency Response



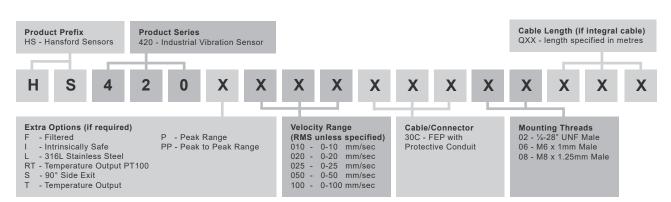
#### **Applications**

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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