

# HS-420 Accelerometer

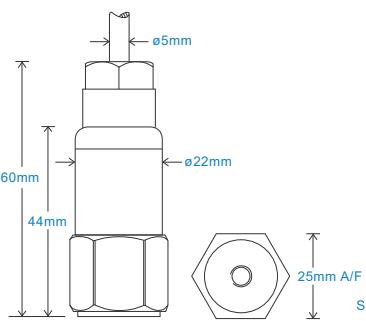
## 4-20mA velocity output via 4 Core Polyolefin HFFR

### Key Features

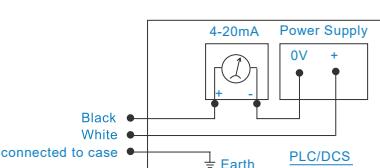
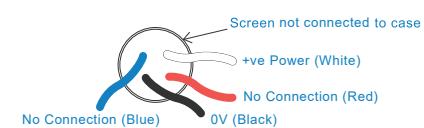
- Halogen free cable
- Resistant to oil
- For use with PLC/DCS systems

### Industries

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



### Connection Details



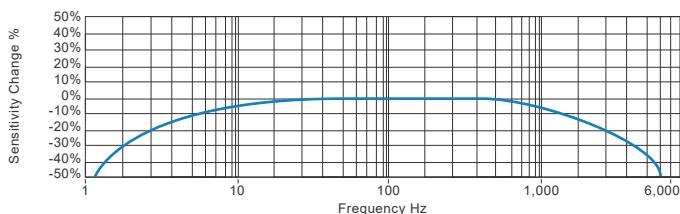
### Technical Performance

Technical Performance		Mechanical	
Mounted Base Resonance	5kHz min	Case Material	Stainless Steel
Velocity Ranges	see: 'How To Order' table ±10%	Sensing Element/Construction	PZT/Compression
	Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response	10Hz (600cpm) to 1kHz (60kcpm) ± 5% - ISO10816	Weight	100gms (nominal) body only
Isolation	Base isolated	Maximum Cable Length	1000 metres
Range	50g peak	Standard Cable Length	5 metres
Transverse Sensitivity	Less than 5%	Screened Cable	Polyolefin HFFR - length to be specified with order
		Mounting Threads	see: 'How To Order' table

### Electrical

Current Output	4-20mA DC proportional to Velocity Range	Operating Temperature Range	-25°C to 120°C
Supply Voltage	15-30 Volts DC (for 4-20mA)	Sealing	IP68
Settling Time	2 seconds	Maximum Shock	5000g
Output Impedance	Loop Resistance 600 Ohms max. at 24 Volts	EMC	EN61326-1:2013
Case Isolation	>10 <sup>8</sup> Ohms at 500 Volts		

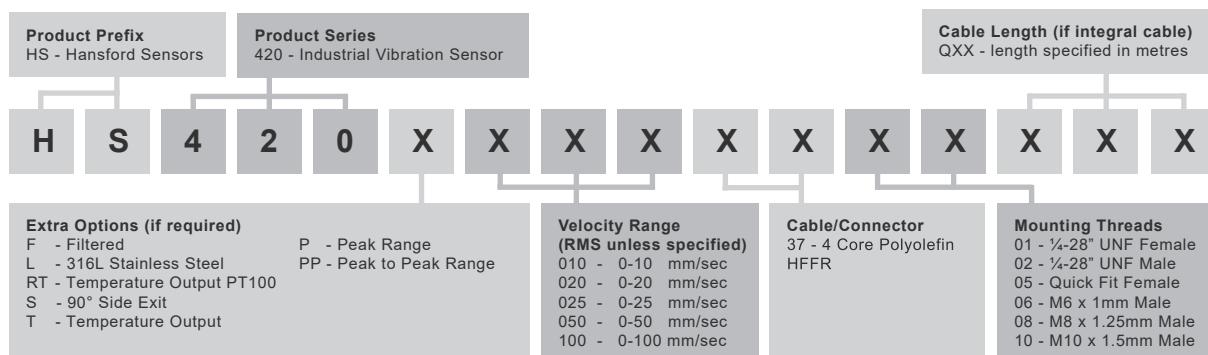
### Typical Frequency Response



### Environmental

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, VAC, Spindles, Machine Tooling, Process Equipment	-25°C to 120°C
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.)	IP68
	5000g
	EN61326-1:2013

### How To Order



[www.hansfordsensors.com](http://www.hansfordsensors.com)  
[sales@hansfordsensors.com](mailto:sales@hansfordsensors.com)

We reserve the right to alter the specification of this product without prior notice

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