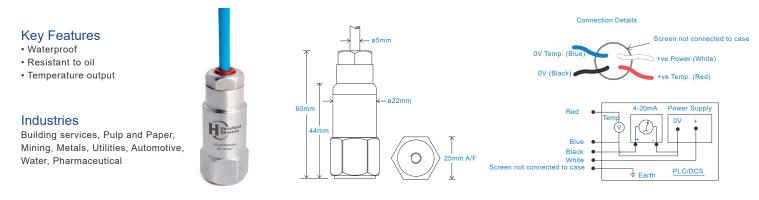
HS-420T Accelerometer

4-20mA velocity and temperature output via PUR Cable



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
Temperature Output	10mV/°C - 0-1V proportional to 0-100°C (to convert	Screened Cable	PUR - length to be specified with order
	this to 4-20mA use the HS-540 module)	Mounting Threads	see: 'How To Order' table
Transverse Sensitivity	Less than 5%	Submersible Depth	100 metres max (10 bar)

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Councar

509

%

Sensitivity Change 20% 10% 0% -10%

40% 30% 20%

20% -30% -40% -50%

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 ⁸ Ohms at 500 Volts

100

Frequency Hz

Applications

Environmental

Maximum Shock

Sealing

EMC

Operating Temperature Range

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.)



-25 to 90°C

EN61326-1:2013

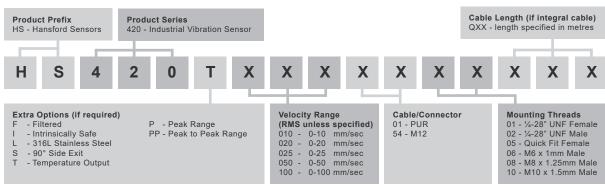
IP68

5000g

How To Order

Typical Frequency Response

10



1,000

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6.000



T: 150 210 98804 www.hansfordsensors.com.cn 汉施弗德传感器(上海)有限公司

