# **HS-100S Accelerometer**

AC acceleration output via PUR Cable

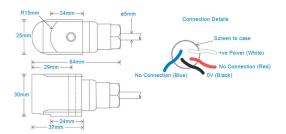
## **Key Features**

- For use with data collector
- Side entry for easy access
- Customisable features

#### Industries

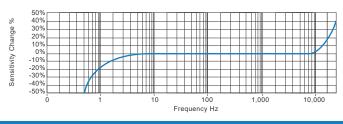
Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical





Technical Performance		Mechanical	
Mounted Base Resonance	see 'How To Order' table (nominal)	Case Material	Stainless Steel
Sensitivity	see: 'How To Order' table ±10%	Sensing Element/Construction	PZT/Compression
-	Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response	2Hz (120cpm) to 10kHz (600kcpm) ± 5%	Mounting Bolt provided	see: 'How To Order' table x 35mm long
	1.5Hz (90cpm) to 12kHz (720kcpm) ± 10%	Weight	205gms (nominal) body only
	0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB	Maximum Cable Length	1000 metres
Isolation	Base isolated	Standard Cable Length	5 metres
Range	see: 'How To Order' table	Screened Cable	PUR - length to be specified with order
Transverse Sensitivity	Less than 5%	Screened Cable Assembly	see: www.hansfordsensors.com for options
		Connector	n/a
		Mounting Threads	see: 'How To Order' table x 30mm long
		Submersible Depth	100 metres max (10 bar)
Electrical		Environmental	
Excitation Voltage:	18-30Volts DC	Operating Temperature Range	-30 to 90°C
Electrical Noise	0.1mg max	Sealing	IP68
Current Range	0.5mA to 8mA	Maximum Shock	5000g
Bias Voltage	10 - 12 Volts DC	EMC	EN61326-1:2013
Settling Time	2 seconds		
Output Impedance	200 Ohms max		
Case Isolation	>10^8 Ohms at 500 Volts		

## Typical Frequency Response (at 100mV/g)



### Applications

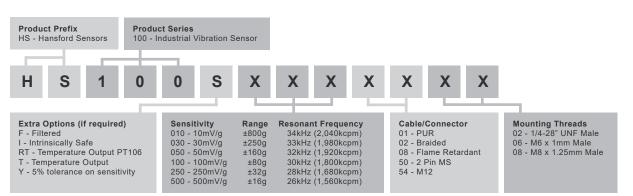
cable anchored to sensor body).

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

#### How To Order





www.hansfordsensors.com

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