HS-100S Accelerometer

AC acceleration output via 2 Pin MS Connector

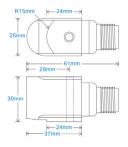
Key Features

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

Industries

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





Connection Details



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	n/a
Isolation	Base isolated	Standard Cable Length	n/a
Range	see: 'How To Order' table	Screened Cable	n/a
Transverse Sensitivity	Less than 5%	Screened Cable Assembly	see: www.hansfordsensors.com for options
		Connector HS-AA004 - n	on-booted, HS-AA053 or HS-AA054 - booted
		Mounting Threads	see: 'How To Order' table
		Submersible Depth	n/a
Electrical		Environmental	
Excitation Voltage:	18-30Volts DC	Operating Temperature Range	-55 to 150°C

Excitation Voltage:	18-30Volts DC
Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	2 seconds
Output Impedance	200 Ohms max
Case Isolation	>10^8 Ohms at 500 Volts

Typical Frequency Response (at 100mV/g)

Frequency Hz

100

1,000

Applications	

cable anchored to sensor body).

Sealing

EMC

Maximum Shock

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

IP68 5000g

EN61326-1:2013

How To Order

40% 30%

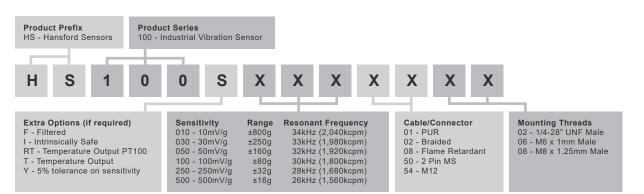
20%

10% 0% -10%

-20% -30% -40%

-50

Sensitivity Change



10,000



www.hansfordsensors.com

CE