HS-100S Accelerometer

AC acceleration output via Braided Cable

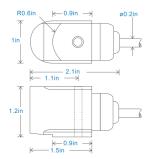
Key Features

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

Industries

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





Connection Details Screen to case +ve Power (White) 0V (Black)

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 72°F	Mounting Torque	5.9ft. Lbs
Frequency Response	120cpm (2Hz) to 600kcpm (10kHz) ± 5%	Mounting Bolt provided	see: 'How To Order' table x 1.2in long
	90cpm (1.5Hz) to 720kcpm (12kHz) ± 10%	Weight	7.2 oz. (nominal) body only
	48cpm (0.8Hz) to 900kcpm (15kHz) ± 3dB	Maximum Cable Length	3,280 ft.
Isolation	Base isolated	Standard Cable Length	16 ft.
Range	see: 'How To Order' table	Screened Cable	Braided - 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 1.2in long

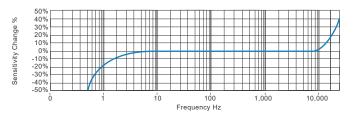
Electrical	
Excitation Voltage	18-30Volts DC
Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	2 seconds
Output Impedance	200 Ohms max
Case Isolation	>10^8 Ohms at 500 Volts

Environmental

Operating Temperature Range Sealing Maximum Shock EMC

-67 to 284°F IP65 5000g EN61326-1:2013

Typical Frequency Response (at 100mV/g)



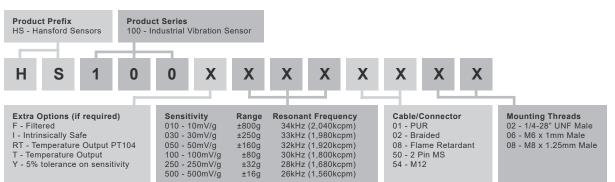
Applications

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





www.hansfordsensors.com

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

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