

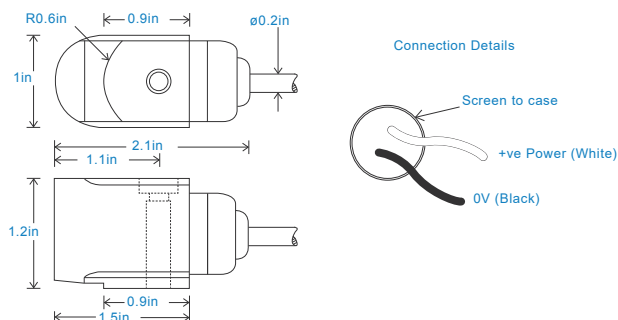
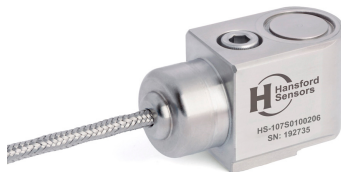
AC acceleration output via Braided cable

Key Features

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

Industries

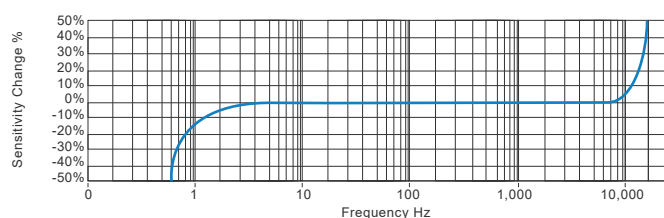
Building services, Pulp and Paper,
Mining, Metals, Utilities, Automotive,
Water, Pharmaceutical



Technical Performance		Mechanical	
Mounted Base Resonance	see 'How To Order' table (nominal)	Case Material	Stainless Steel
Sensitivity	see: 'How To Order' table $\pm 10\%$	Sensing Element/Construction	PZT/Compression
	Nominal 80Hz at 72°F	Mounting Torque	5.9ft. lbs
Frequency Response	120cpm (2Hz) to 600kcpm (10kHz) $\pm 5\%$	Weight	6.5 oz. (nominal) body only
	90cpm (1.5Hz) to 720kcpm (12kHz) $\pm 10\%$	Maximum Cable Length	3,280 ft.
	48cpm (0.8Hz) to 900kcpm (15kHz) $\pm 3\text{dB}$	Standard Cable Length	16 ft.
Isolation	Base isolated	Screened Cable	Braided - length to be specified with order
Range	see: 'How To Order' table	Mounting Threads	see: 'How To Order' table
Transverse Sensitivity	Less than 5%		

Electrical		Environmental	
Electrical Noise	0.1mg max	Operating Temperature Range	-67 to 284°F
Supply Voltage	7.5 - 24Volts DC	Sealing	IP65
Bias Current	3.5mA	Maximum Shock	5000g
Settling Time	2 seconds	EMC	EN61326-1:2013
Output Impedance	200 Ohms max.		
Case Isolation	>10 ⁸ Ohms at 500 Volts		

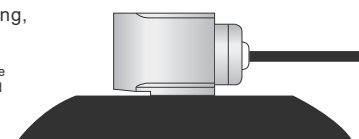
Typical Frequency Response



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

Product Prefix		Product Series				Cable Length (if integral cable)								
HS - Hansford Sensors		107 - Industrial Vibration Sensor				UXX - length specified in feet								
H	S	1	0	7	S	X	X	X	X	X	X	X	X	X
Extra Options (if required)		Sensitivity		Range		Resonant Frequency		Cable/Connector			Mounting Threads			
F - Filtered		010 - 10µA/g		±80g		28kHz (1,680kcpm)		01 - PUR			02 - ¼-28" UNF Male			
L - 316L Stainless Steel		050 - 50µA/g		±16g		24kHz (1,440kcpm)		02 - Braided			06 - M6 x 1mm Male			
RT - Temperature Output PT100								07 - Silicon			08 - M8 x 1.25mm Male			
S - 90° Side Exit								08 - Flame Retardant						
T - Temperature Output								50 - 2 Pin MS						
Y - 5% tolerance on sensitivity								54 - M12						



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

