

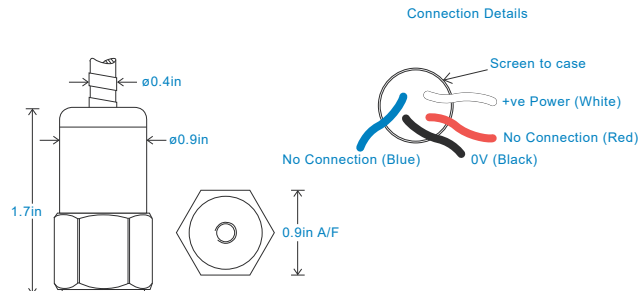
## AC velocity output via FEP Cable with Protective Conduit

## Key Features

- For use with data collector
- AC velocity output
- Protective Conduit

## Industries

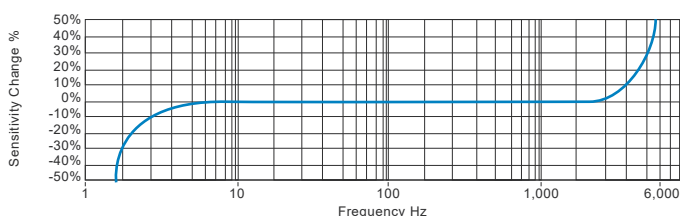
Building services, Pulp and Paper,  
Mining, Metals, Utilities, Automotive,  
Water, Pharmaceutical



Technical Performance		Mechanical	
Mounted Base Resonance	see 'How To Order' table (nominal)	Case Material	316L 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	180cpm (3Hz) to 270kcpm (4.5kHz) $\pm 10\%$	Weight	3.7 oz. (nominal) body only
	120cpm (2Hz) to 360kcpm (6kHz) $\pm 3\text{dB}$	Shielded Cable Assembly	see: <a href="http://www.hansfordsensors.com">www.hansfordsensors.com</a> for options
Isolation	Base isolated	Maximum Cable Lengths	3,280ft.
Range	see: 'How To Order' table	Standard Cable Lengths	16ft.
Transverse Sensitivity	Less than 5%	Mounting Threads	see 'How To Order' Table
		Conduit Material	304 Stainless Steel
		Conduit Length	Conduit Length is approx. 1.6ft shorter than the cable

Electrical		Environmental	
Electrical Noise	0.1mg max	Operating Temperature Range	-67 to 284°F
Current Range	0.5mA to 8mA	Sealing	IP65
Bias Voltage	10 - 12 Volts DC	Maximum Shock	5000g
Settling Time	2 seconds	EMC	EN61326-1:2013
Output Impedance	200 Ohms max.		
Case Isolation	>10 <sup>8</sup> Ohms at 500 Volts		

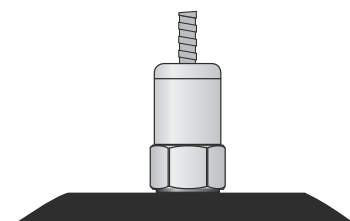
## Typical Frequency Response



## 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		160 - Industrial Vibration Sensor					UXX - length specified in feet								
H	S	1	6	0	X	X	X	X	X	X	X	X	X	X	X
Extra Options (if required) F - Filtered RT - Temperature Output PT100 S - 90° Side Exit T - Temperature Output Y - 5% tolerance on sensitivity		Sensitivity 004 - 100mV/in/s 025 - 625mV/in/s  (other sensitivities available on request)		Range (pk) 40 IPS 10 IPS		Resonant Frequency 1,320kcpm (22kHz) 1,320kcpm (22kHz)		Cable/Connector 30C - FEP with Protective Conduit		Mounting Threads 02 - ¼-28" UNF Male 06 - M6 x 1mm Male 08 - M8 x 1.25mm Male					



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

TS791U.5

