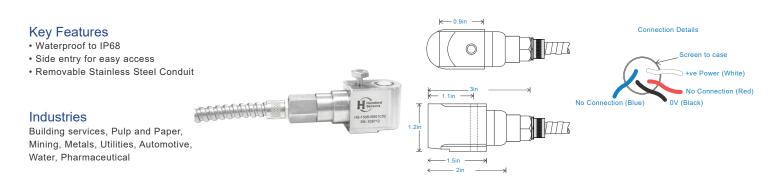
HS-150S Premium Accelerometer

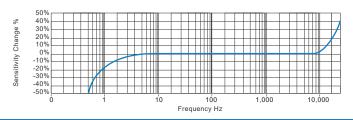
AC acceleration output via 4 Core PUR Cable with Removable Stainless Steel Conduit



	Mechanical	
see 'How To Order' table (nominal)	Case Material	Stainless Steel
see: 'How To Order' table ±10%	Sensing Element/Construction	PZT/Shear
Nominal 80Hz at 72°F	Mounting Torque	5.9ft. Ibs
120cpm (2Hz) to 600kcpm (10kHz) ± 5%	Mounting Bolt provided	see: 'How To Order' table x 1.4in long
0cpm (1.5Hz) to 720kcpm (12kHz) ± 10%	Weight	7.2 oz. (nominal) body only
18cpm (0.8Hz) to 900kcpm (15kHz) ± 3dB	Maximum Cable Length	3,280 ft.
Base isolated	Standard Cable Length	16 ft.
see: 'How To Order' table	Screened Cable	PUR - length to be specified with order
Less than 5%	Mounting Threads	see: 'How To Order' table
	see: 'How To Order' table ±10% Nominal 80Hz at 72°F 120cpm (2Hz) to 600kcpm (10kHz) ± 5% 0cpm (1.5Hz) to 720kcpm (12kHz) ± 10% 8cpm (0.8Hz) to 900kcpm (15kHz) ± 3dB Base isolated see: 'How To Order' table	see 'How To Order' table (nominal) See: 'How To Order' table ±10% Nominal 80Hz at 72°F 120cpm (2Hz) to 600kcpm (10kHz) ± 5% Ocpm (1.5Hz) to 720kcpm (12kHz) ± 10% 8cpm (0.8Hz) to 900kcpm (15kHz) ± 3dB Base isolated See: 'How To Order' table Screened Cable

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

Typical Frequency Response (at 100mV/g)



Applications

Environmental

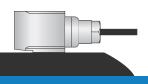
Sealing Maximum Shock

EMC

Operating Temperature Range

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.)



CE

UK CA

-22 to 194°F

IP68

5000g EN61326-1:2013

How To Order

	ct Series Premium Industrial Vibration Sensor							Length (if ength spe			
H S 1 5	0 S	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 010 - 10mV/g 030 - 30mV/g 050 - 50mV/g 100 - 100mV/g 250 - 250mV/g 500 - 500mV/g	Range ±800g ±250g ±160g ±80g ±32g ±16g	Resonant Frequency 34kHz (2,040kcpm) 33kHz (1,980kcpm) 32kHz (1,920kcpm) 30kHz (1,800kcpm) 28kHz (1,680kcpm) 28kHz (1,560kcpm)		040kcpm) 01C - 4 Core PUR (980kcpm) with removable Stai 920kcpm) Steel Conduit 800kcpm) 07C - 3 Core Silicor 680kcpm) Cable with removab		Cable ainless on able	02 - ¼- 06 - M6	ng Threa 28" UNF 5 x 1mm M 3 x 1.25m	Male ∕Iale	



www.hansfordsensors.com sales@hansfordsensors.com

We reserve the right to alter the specification of this product without prior notice TS979U.3