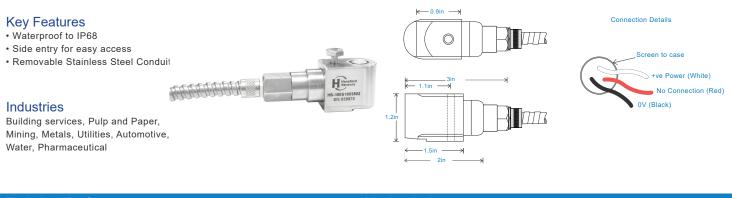
HS-150S Premium Accelerometer

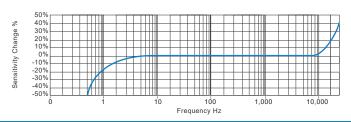
AC acceleration output via 3 Core Silicon Cable with Removable Stainless Steel Conduit



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/Shear
	Nominal 80Hz at 72°F	Mounting Torque	5.9ft. lbs
Frequency Response	90cpm (1.5Hz) to 600kcpm (10kHz) ± 5%	Mounting Bolt provided	see: 'How To Order' table x 1.4in long
	30cpm (0.5Hz) to 720kcpm (12kHz) ± 10%	Weight	7.2 oz. (nominal) body only
	12cpm (0.2Hz) 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	Silicon - length to be specified with order
Transverse Sensitivity	Less than 5%	Mounting Threads	see: 'How To Order' table

Electrical		Environmental
Excitation Voltage:	18-30Volts DC	Operating Temperatu
Electrical Noise	0.1mg max	Sealing
Current Range	0.5mA to 8mA	Maximum Shock
Bias Voltage	10 - 12 Volts DC	EMC
Settling Time	2 seconds	
Output Impedance	200 Ohms max.	
Case Isolation	>10 ⁸ Ohms at 500 Volts	

Typical Frequency Response (at 100mV/g)

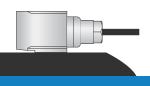


Applications

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.)



-58 to 300°F

EN61326-1:2013

IP68

5000g

How To Order

Product Prefix Product S HS - Hansford Sensors 150 - Prem			Series emium Industrial Vibration Sensor						Cable Length (if integral cable) QXX - length specified in metres				
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 P' S - 90° Side Exit T - Temperature Output Y - 5% tolerance on sensit	T100	030 - 050 - 100 - 250 -	ivity 10mV/g 30mV/g 50mV/g 100mV/g 250mV/g 500mV/g	Range ±800g ±250g ±160g ±80g ±32g ±16g	Resona 34kHz 33kHz 32kHz 30kHz 28kHz 26kHz	nt Freque (2,040kg (1,980kg (1,920kg (1,800kg (1,680kg (1,560kg	:pm) :pm) :pm) :pm) :pm)	34 - 4 0 with rer Steel C 35 - 3 0	Core Silico novable S	Cable tainless on Cable	02 - ¼ 06 - M	t ing Threa -28" UNF ∣ 6 x 1mm M 8 x 1.25m	Male Iale



www.hansfordsensors.com sales@hansfordsensors.com CE

We reserve the right to alter the specification of this product without prior notice TS980U.2