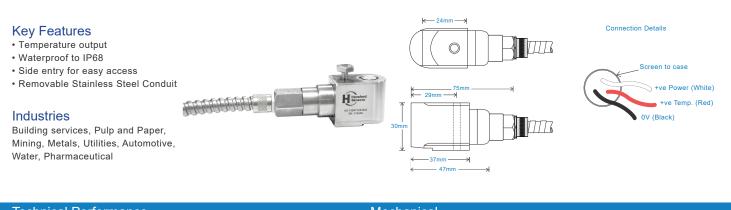
HS-150ST Premium Accelerometer

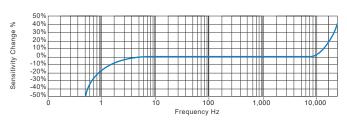
AC acceleration and temperature output via 3 Core Silicon Cable with Removable Stainless Steel Conduit



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 22°C	Mounting Torque	8Nm
Frequency Response	1.5Hz (90cpm) to 10kHz (600kcpm) ± 5%	Mounting Bolt provided	see: 'How To Order' table x 35mm long
	0.5Hz (30cpm) to 12kHz (720kcpm) ± 10%	Weight	205gms (nominal) body only
	0.2Hz (12cpm) to 15kHz (900kcpm) ± 3dB	Maximum Cable Length	1000 metres
Isolation	Base isolated	Standard Cable Length	5 metres
Range	see: 'How To Order' table	Screened Cable	Silicon - length to be specified with order
Temperature Output	10 mV/ºC standard 100°C - Option 130°C	Mounting Threads	see: 'How To Order' table
Transverse Sensitivity	Less than 5%		

Electrical		Environmental
Excitation Voltage:	18-30Volts DC	Operating Temperature Range
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	

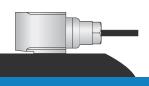
Typical Frequency Response (at 100mV/g)



Applications

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.)



-50 to 150°C

IP68

5000g EN61326-1:2013

How To Order

		ct Series Premium Industrial Vibration Sensor								Cable Length (if integral cable QXX - length specified in metres				
H S 1	5 0	S	Т	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 sensi	01 T100 03 05 10	0 - 30mV/g 0 - 50mV/g 0 - 100mV/g 0 - 250mV/g	±32g	Resona 34kHz 33kHz 32kHz 30kHz 28kHz 26kHz	nt Freque (2,040kc (1,980kc (1,920kc (1,800kc (1,680kc (1,560kc	pm) pm) pm) pm) pm)	34 - 4 0 with rer Steel C 35 - 3 0	Core Silico novable S	Cable tainless n Cable	02 - ¼ 06 - M	ing Threa -28" UNF 6 x 1mm № 8 x 1.25m	Male Male		



T: 150 210 98804 www.hansfordsensors.com.cn 汉施弗德传感器(上海)有限公司 () الآ