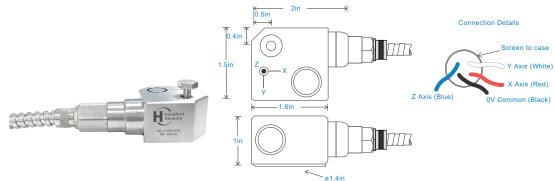
HS-173 Premium Triaxial Accelerometer AC acceleration output via 4 Core Polyolefin HFFR with Protective Conduit



- · Output via three axes
- For use with data collector
- · Resistant to oil

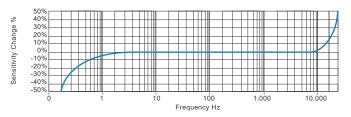
Industries

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 unless specified Aluminium		
	+3kHz for aluminium version	Sensing Element/Construction	n PZT/Shear		
Sensitivity	see: 'How To Order' table ±10%	Mounting Torque	5.9ft. lbs		
	Nominal 80Hz at 72°F per axies	Mounting Bolt Provided	see: 'How To Order' table x 1.2in long		
Frequency Response	120cpm (2Hz) to 600kcpm (10kHz) ± 5%	Weight	8.3 oz. (nominal) - Stainless Steel		
	90cpm (1.5Hz) to 720kcpm (12kHz) ± 10%		4 oz. (nominal) - Aluminium		
	48cpm (0.8Hz) 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 Poly	olefin HFFR - length to be specified with order		
Transverse Sensitivity	Less than 5%	Mounting Threads	see: 'How To Order' table		
		Mounting Stud	HS-AS226, HS-AS221 or HS-AS222		
		Submersible Depth	328 ft. max (10 bar)		
Electrical		Environmental			
Electrical Noise	0.1mg max	Operating Temperature Range	-67 to 266°F		
Current Range	0.5mA to 8mA	Sealing	IP68		
Bias Voltage	10 - 12 Volts DC	Maximum Shock	5000g		
Settling Time	1 second	EMC	EN61326-1:2013		
Output Impedance	200 Ohms max.				
Case Isolation	>10 ⁸ Ohms at 500 Volts				

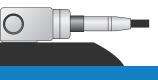
Typical Frequency Response (at 100mV/g)



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.)



How To Order

Product Prefix HS - Hansford Sensors	Product Series 173 - Triaxial Industrial Vibr	ation Sensor				
H S 1	7 3 X	x x	X X	X X	X	
Extra Options (if required) AL - Aluminium Material F - Filtered	Sensitivity 010 - 10mV/g 030 - 30mV/g 050 - 50mV/g 100 - 100mV/g 250 - 250mV/g 500 - 500mV/g	Range Reson ±800g 1,200k ±250g 1,140k ±160g 1,080k ±80g 1,020k ±32g 960k ±16g 900k	copm (19kHz) copm (18kHz) copm (17kHz) copm (16kHz)	Cable/Connector 37C - 4 Core Polyolefin HFFR Protective Condu	with	Mounting Threads 02 - ¼-28" UNF Mal 06 - M6 x 1mm Male 08 - M8 x 1.25mm M



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CE

We reserve the right to alter the specification of this product without prior notice TS988U.5