HS-170S Premium Accelerometer AC acceleration output via Silicon Cable

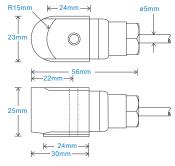
Key Features

- Premium design
- Waterproof
- · Compact design

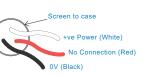
Industries

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





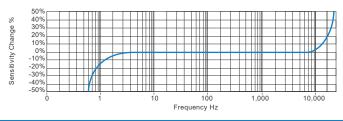
Connection Details



Technical Performanc	e	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	2Hz (120cpm) to 14kHz (840kcpm) ± 5%	Mounting Bolt Provided	see: 'How To Order' table x 30mm long
	1.5Hz (90cpm) to 16kHz (960kcpm) ± 10%	Weight	135gms (nominal) body only
	0.8Hz (48cpm) to 19kHz (1,140kcpm) ± 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
Transverse Sensitivity	Less than 5%	Mounting Threads	see: 'How To Order' table
		Submersible Depth	100 metres max (10 bar)

Electrical		Environmental	
Electrical Noise	0.1mg max	Operating Temperature Range	-55 to 150°C
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	t Series mpact Premium Industrial Vibration Sensor							Cable Length (if integral cable) QXX - length specified in metres					
H S 1	7	0	S	X	X	X	Х	X	X	X	X	X	X
Extra Options (if required) F - Filtered L - 316L Stainless Steel S - 90° Side Exit T - Temperature Output Y - 5% tolerance on sensit		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 30kHz 28kHz 26kHz 24kHz 22kHz 20kHz	nt Freque (1,800kc (1,680kc (1,560kc (1,440kc (1,320kc (1,200kc	pm) pm) pm) pm) pm)	01 - Pl 02 - Br 07 - Si 08 - Fl	aided licon ame Retar Pin MS		02 - ¼ 06 - M	ing Threa -28" UNF 6 x 1mm M 8 x 1.25m	Male ⁄Iale



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We reserve the right to alter the specification of this product without prior notice TS313.7

