HS-170 Premium Accelerometer

AC acceleration output via M12 Connector

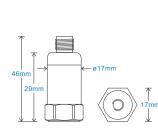
Key Features

- Compact design
- Premium design
- Customisable features

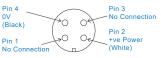
Industries

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









see: 'How To Order' table x 30mm long

Stainless Steel

52gms (nominal)

-55 to 150°C IP67 5000g

EN61326-1:2013

Use booted connector only

see: 'How To Order' table

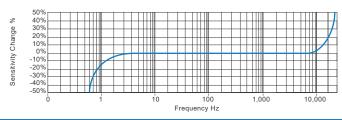
PZT/Shear

8 Nm

Technical Performance Mechanical Mounted Base Resonance see 'How To Order' table (nominal) Case Material Sensitivity see: 'How To Order' table ±10% Sensing Element/Construction Nominal 80Hz at 22°C Mounting Torque 2Hz (120cpm) to 14kHz (840kcpm) ± 5% Frequency Response Mounting Bolt Provided 1.5Hz (90cpm) to 16kHz (960kcpm) ± 10% Weight 0.8Hz (48cpm) to 19kHz (1,140kcpm) ± 3dB Connector Isolation Base isolated Mounting Threads see: 'How To Order' table Range Transverse Sensitivity Less than 5%

Electrical	Environmental					
Electrical Noise	0.1mg max	Operating Temperature Range				
Current Range	0.5mA to 8mA	Sealing				
Bias Voltage	10 - 12 Volts DC	Maximum Shock				
Settling Time	1 second	EMC				
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		oduct Series 0 - Compact Premium Industrial Vibration Sensor								Cable Length (if integral cable) QXX - length specified in metres			
H S 1	7	0	X	X	X	X	X	X	X	X	X	X	X
Extra Options (if required) F - Filtered - 316L Stainless Steel S - 90° Side Exit 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 (1,800kg (1,680kg (1,560kg (1,440kg (1,320kg (1,200kg	pm) pm) pm) pm) pm)	02 - Br	ame Retai Pin MS		02 - ¼ 06 - M	t ing Threa -28" UNF 6 x 1mm M 8 x 1.25mi	Vale Iale



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