HS-170 Premium Accelerometer

AC acceleration output via Braided Cable

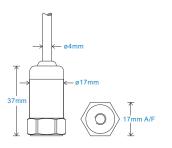
Key Features

- Compact design
- Premium design
- Customisable features

Industries

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







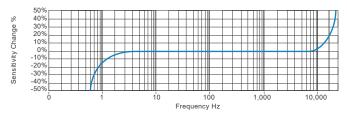


Mechanical **Technical Performance** Mounted Base Resonance see 'How To Order' table (nominal) Sensitivity see: 'How To Order' table ±10% Nominal 80Hz at 22°C 2Hz (120cpm) to 14kHz (840kcpm) ± 5% Frequency Response 1.5Hz (90cpm) to 16kHz (960kcpm) ± 10% 0.8Hz (48cpm) to 19kHz (1,140kcpm) ± 3dB Isolation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

Case Material	Stainless Steel
Sensing Element/Construction	PZT/Shear
Mounting Torque	8Nm
Weight	52gms (nominal) body only
Maximum Cable Length	1000 metres
Standard Cable Length	5 metres
Screened Cable	Braided - length to be specified with order
Mounting Threads	see: 'How To Order' table

Electrical		Environmental					
Electrical Noise	0.1mg max	Operating Temperature Range	-55 to 150°C				
Current Range	0.5mA to 8mA	Sealing	IP65				
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		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 L - 316L Stainless Steel S - 90° Side Exit Y - 5% tolerance on sensi		030 - 050 - 100 - 250 -	ivity 10mV/g 30mV/g 50mV/g 100mV/g 250mV/g 500mV/g	Range ±800g ±250g ±160g ±80g ±32g ±16g	Resonat 34kHz 32kHz 30kHz 28kHz 26kHz 24kHz	nt Freque (2,040kc (1,920kc (1,800kc (1,680kc (1,560kc (1,440kc	:pm) :pm) :pm) :pm) :pm)	01 - PU 02 - Br 07 - Si	aided licon ame Retar Pin MS		01 - 1/4 02 - 1/4 06 - M 08 - M	ing Threa -28" UNF -28" UNF 6 x 1mm I 8 x 1.25m 10 x 1.5m	Female Male Male m Male



www.hansfordsensors.com sales@hansfordsensors.com



We reserve the right to alter the specification of this product without prior notice TS489.6