HS-172R Premium Biaxial Accelerometer

Two AC outputs via M12 Connector

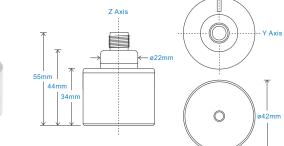
Key Features

Industries

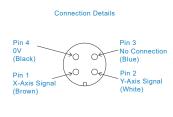
- Output via two axies
- For use with data collector
- Customisable features

Water, Pharmaceutical

55 Histord HS-172R0105402 SH: 294894



X Axis



Technical Performance

Building services, Pulp and Paper,

Mining, Metals, Utilities, Automotive,

Mounted Base Resonance	see 'How To Order' table (nominal)
	+3kHz for aluminium version
Sensitivity	see: 'How To Order' table ±10%
	Nominal 80Hz at 22°C per axies
Frequency Response	2Hz (120cpm) to 10kHz (600kcpm) ± 5%
	1.5Hz (90cpm) to 12kHz (720kcpm) ± 10%
	0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB
Isolation	Base isolated
Range	see: 'How To Order' table
Transverse Sensitivity	Less than 5%

Mechanical

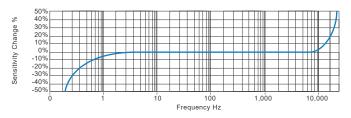
Case MaterialStainless Steel unless specified AluminiumSensing Element/ConstructionPZT/ShearMounting Torque8NmMounting Bolt Providedsee: 'How To Order' table x 30mm longWeight194gms (nominal) - Stainless Steel100gms (nominal) - AluminiumScreened Cable AssemblyHS-AC010 - straightMounting Threadssee: 'How To Order' table

Electrical	
Electrical Noise	0.1mg mov
Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	1 second
Output Impedance	200 Ohms max.
Case Isolation	>10 ⁸ Ohms at 500 Volts

Environmental

Operating Temperature Range Sealing Maximum Shock EMC -55 to 150°C IP67 5000g EN61326-1:2013

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 iaxial Ind	ustrial Vibi	ation Ser	isor						
H S 1	7	2	R	X	X	X	X	X	X	X	
Extra Options (if required) R - Round Design AL - Aluminium Material F - Filtered		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 20kHz 19kHz 18kHz 17kHz 16kHz 15kHz	nt Freque (1,800kg (1,680kg (1,560kg (1,440kg (1,320kg (1,200kg	pm) pm) pm) pm) pm)	Cable/ 54 - M	Connecto 12	or	Mounting Threads 01 - ¼-28" UNF Female 02 - ¼-28" UNF Male 06 - M6 x 1mm Male 08 - M8 x 1.25mm Male



www.hansfordsensors.com sales@hansfordsensors.com

We reserve the right to alter the specification of this product without prior notice \$\$T\$\$1054.1