# **HS-172 Premium Biaxial Accelerometer**

Two AC outputs via M12 Connector

## **Key Features**

- Output via two axies
- · For use with data collector
- Customizable features



Sensitivity

Isolation

Range

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

**Technical Performance** 

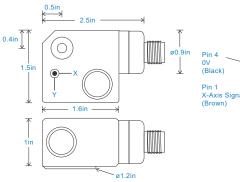
Mounted Base Resonance

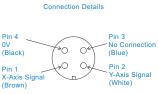
Frequency Response

Transverse Sensitivity



Less than 5%





### Mechanical

see 'How To Order' table (nominal)	Case Material	Stainless Steel unless specified Aluminium
+3kHz for aluminium version	Sensing Element/Construction	PZT/Shear
see: 'How To Order' table ±10%	Mounting Torque	8Nm
Nominal 80Hz at 22°C per axies	Mounting Bolt Provided	see: 'How To Order' table x 30mm long
2Hz (120cpm) to 10kHz (600kcpm) ± 5%	Weight	235gms (nominal) - Stainless Steel
1.5Hz (90cpm) to 12kHz (720kcpm) ± 10%		115gms (nominal) - Aluminium
0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB	Screened Cable Assembly	HS-AC010 - straight
Base isolated	Mounting Threads	see: 'How To Order' table
see: 'How To Order' table		

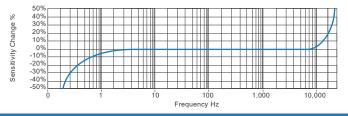
Electrical	
Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	1 second
Output Impedance	200 Ohms max.
Case Isolation	>10 <sup>8</sup> Ohms at 500 Volts

# Environmental Operating Temperature Range

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Sealing
Maximum Shock
EMC

-67 to	300°F
	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

	duct Series - Biaxial Industrial Vibration Sensor		
H S 1 7	2 X X X	x x x x x	
Extra Options (if required) AL - Aluminium Material F - Filtered RT - Temperature Output PT100 T - Temperature Output	010 - 10mV/g ±800g 1,20 030 - 30mV/g ±250g 1,12 050 - 50mV/g ±160g 1,08 100 - 100mV/g ±80g 1,02 250 - 250mV/g ±32g 90	Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Director Dir	Mounting Threads 02 - ¼-28" UNF Male 06 - M6 x 1mm Male 08 - M8 x 1.25mm Male



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We reserve the right to alter the specification of this product without prior notice \$\$T\$288U.9