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

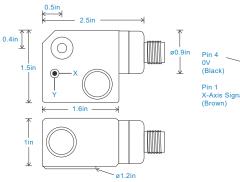
Mounted Base Resonance

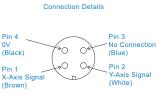
Frequency Response

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		

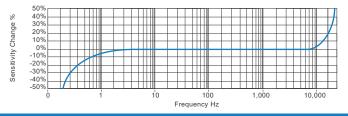
Electrical	
Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	1 second
Output Impedance	200 Ohms max.
Case Isolation	>10 ⁸ Ohms at 500 Volts

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 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