HS-172R Premium Biaxial Accelerometer

Two AC outputs via M12 Connector

Key Features

Industries

Electrical

Electrical Noise

Current Range

Bias Voltage

Settling Time

Output Impedance Case Isolation

- Output via two axies
- For use with data collector

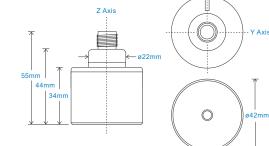
Building services, Pulp and Paper,

Mining, Metals, Utilities, Automotive,

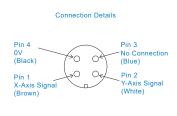
Customisable features

Water, Pharmaceutical

S5r Hansors HS-172R0105402 SN: 294894



X Axis



Stainless Steel unless specified Aluminium

194gms (nominal) - Stainless Steel

100gms (nominal) - Aluminium

HS-AC010 - straight

see: 'How To Order' table

Technical Performance Mechanical Mounted Base Resonance see 'How To Order' table (nominal) Case Material +3kHz for aluminium version Sensing Element/Construction see: 'How To Order' table ±10% Mounting Torque Sensitivity Nominal 80Hz at 22°C per axies Weight Frequency Response 2Hz (120cpm) to 10kHz (600kcpm) ± 5% Screened Cable Assembly 1.5Hz (90cpm) to 12kHz (720kcpm) ± 10% 0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB Mounting Threads Isolation Base isolated see: 'How To Order' table Range Transverse Sens

sitivity	Less than 5%
	0.1mg max
	0.5mA to 8mA
	10 - 12 Volts DC
	1 second

Environmental

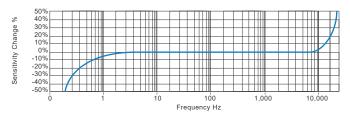
Operating Temperature Range Sealing Maximum Shock EMC

-55 to 150°C
IP67
5000g
EN61326-1:2013

PZT/Shear

8Nm

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	Product Series 172 - Biaxial Industrial Vibra	tion Sensor			
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	Sensitivity 010 - 10mV/g 030 - 30mV/g 050 - 50mV/g 100 - 100mV/g 250 - 250mV/g 500 - 500mV/g	±250g 19kHz (1, ±160g 18kHz (1, ±80g 17kHz (1, ±32g 16kHz (9	equency 00kcpm) 40kcpm) 80kcpm) 20kcpm) 60kcpm) 00kcpm)	Cable/Connector 54 - M12	Mounting Threads 01 - ¼-28" UNF Fem. 02 - ¼-28" UNF Male 06 - M6 x 1mm Male 08 - M8 x 1.25mm Ma

200 Ohms max.

>108 Ohms at 500 Volts



www.hansfordsensors.com sales@hansfordsensors.com

We reserve the right to alter the specification of this product without prior notice \$\$T\$1054.4