

HS-473 Triaxial Accelerometer

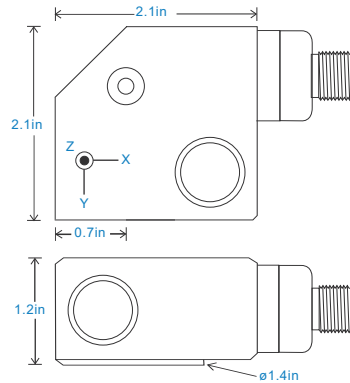
4-20mA velocity output via 8 Pin M12 Connector

Key Features

- For use with PLC/DCS systems
- Customisable features

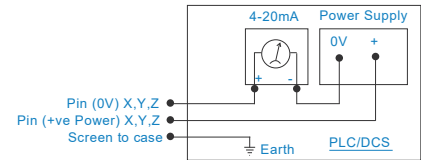
Industries

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



Connection Details

- Pin 1 - +ve Power X
- Pin 2 - 0V X
- Pin 3 - No Connection
- Pin 4 - +ve Power Y
- Pin 5 - 0V Y
- Pin 6 - No Connection
- Pin 7 - +ve Power Z
- Pin 8 - 0V Z



Technical Performance

Mounted Base Resonance	17kHz (nominal)
Velocity Ranges	see: 'How To Order' table $\pm 10\%$
	Nominal 80Hz at 72°F
Frequency Response	600cpm (10Hz) to 60kcpm (1kHz) $\pm 5\%$ - ISO10816
Isolation	Base isolated
Range	50g peak
Transverse Sensitivity	Less than 5%

Mechanical

Case Material	Stainless Steel
Sensing Element/Construction	PZT/Shear
Mounting Torque	5.9ft. lbs
Mounting Bolt Provided	see: 'How To Order' table x 1.5in long
Weight	18.7 oz. (nominal) body only
Screened Cable Assembly	HS-AC731
Mounting Threads	see: 'How To Order' table

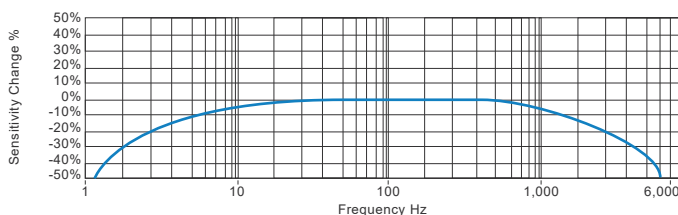
Electrical

Current Output	4-20mA DC proportional to Velocity Range
Supply Voltage	15-30 Volts DC (for 4-20mA)
Settling Time	1 second
Output Impedance	Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation	$>10^8$ Ohms at 500 Volts

Environmental

Operating Temperature Range	-13 to 248°F
Sealing	IP67
Maximum Shock	5000g
EMC	EN61326-1:2013

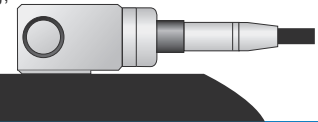
Typical Frequency Response



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 473 - Industrial Vibration Sensor									
H	S	4	7	3	X	X	X	X	X	X	X
Extra Options (if required) F - Filtered L - 316L Stainless Steel RT - Temperature Output PT100 T - Temperature Output U - Imperial Range UP - Imperial Peak Range UPP - Imperial Peak to Peak Range					Velocity Range (RMS unless specified) 012 - 1/2 IPS 025 - 1 IPS 050 - 2 IPS 100 - 4 IPS			Cable/Connector 66 - 8 Pin Connector		Mounting Threads 02 - 1/4-28" 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
TS1208U.3

