

HS-473 Triaxial Accelerometer

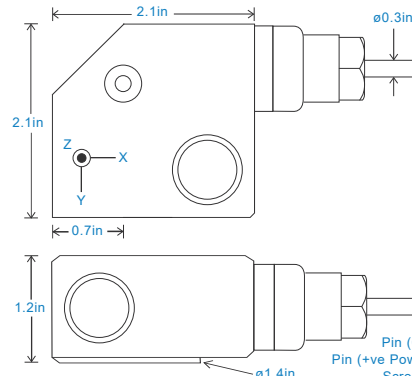
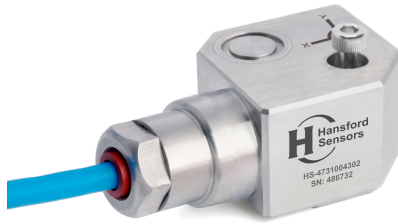
4-20mA velocity output via 8 core PUR cable

Key Features

- For use with PLC/DCS systems
- Customisable features
- Waterproof

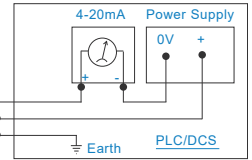
Industries

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



Connection Details

White - +ve Power X
Brown - 0V X
Yellow - +ve Power Y
Black - 0V Y
Blue - +ve Power Z
Red - 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
Maximum Cable Length	3,280 ft.
Standard Cable Length	16 ft.
Screened Cable	PUR - length to be specified with order
Mounting Threads	see: 'How To Order' table
Submersible Depth	328 ft. max (10 bar)

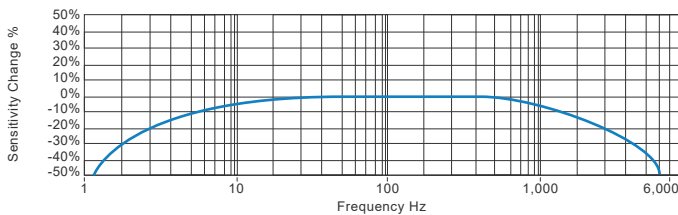
Electrical

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	-22 to 194°F
Sealing	IP68
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		Product Series										
HS - Hansford Sensors		473 - Industrial Vibration Sensor										
H	S	4	7	3	X	X	X	X	X	X	X	
Extra Options (if required)				Velocity Range (RMS unless specified)			Cable/Connector		Mounting Threads			
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			43 - 8 Core PUR		02 - 1/4-28" 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
TS1314U

