

HS-483 Triaxial Accelerometer

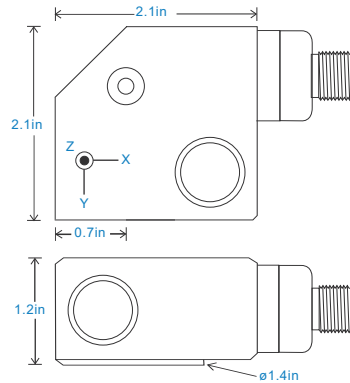
4-20mA acceleration output via 8 Pin M12 Connector

Key Features

- For use with PLC/DCS systems
- Customisable features

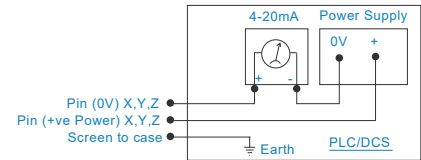
Industries

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



Connection Details

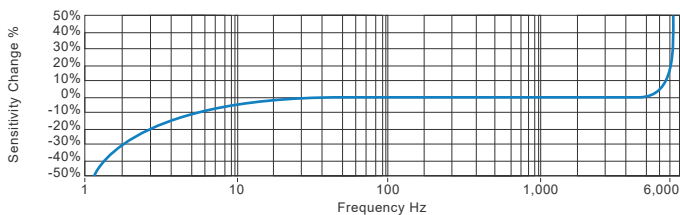
- Pin 1 - +ve Power X
- Pin 2 - 0V X
- Pin 3 - No Connection
- Pin 4 - +ve Power Y
- Pin 5 - 0V Y
- Pin 6 - No Connection
- Pin 7 - +ve Power Z
- Pin 8 - 0V Z



Technical Performance			Mechanical	
Mounted Base Resonance		17kHz (nominal)	Case Material	Stainless Steel
Acceleration Ranges		see: 'How To Order' table ±10%	Sensing Element/Construction	PZT/Shear
		Nominal 80Hz at 72°F	Mounting Torque	5.9ft. lbs
Frequency Response	600cpm (10Hz) to 300kcpm (5kHz) ± 5% - ISO10816		Mounting Bolt Provided	see: 'How To Order' table x 1.5in long
Isolation		Base isolated	Weight	18.7 oz. (nominal) body only
Range		50g peak	Screened Cable Assembly	HS-AC731
Transverse Sensitivity		Less than 5%	Mounting Threads	see: 'How To Order' table

Electrical				Environmental	
Current Output	4-20mA DC proportional to acceleration			Operating Temperature Range	-13 to 248°F
Supply Voltage	15-30 Volts DC (for 4-20mA)			Sealing	IP67
Settling Time	1 second			Maximum Shock	5000g
Output Impedance	Loop Resistance 600 Ohms max. at 24 Volts			EMC	EN61326-1:2013
Case Isolation	$>10^8$ Ohms at 500 Volts				

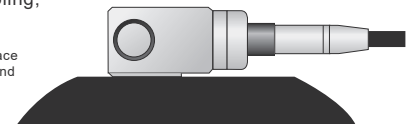
Typical Frequency Response



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		483 - Industrial Vibration Sensor									
H	S	4	8	3	X	X	X	X	X	X	X
Extra Options (if required)				Acceleration Range (RMS unless specified)				Cable/Connector		Mounting Threads	
F - Filtered		U - Imperial Range		001 - 0-1g				66 - 8 Pin Connector		02 - 1/4-28" UNF Male	
L - 316L Stainless Steel		UP - Imperial Peak Range		002 - 0-2g						06 - M6 x 1mm Male	
RT - Temperature Output PT100		UPP - Imperial Peak to Peak Range		005 - 0-5g						08 - M8 x 1.25mm Male	
T - Temperature Output				010 - 0-10g							
				100 - 0-100g							