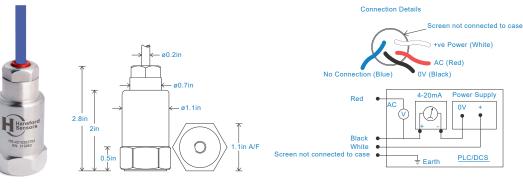
HS-421 Accelerometer 4-20mA velocity and AC acceleration output via 4 Core Polyolefin HFFR

Key Features

- Halogen free cable
- Resistant to oil
- For use with PLC/DCS systems
- and data collectors

Industries

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



Technical Performance

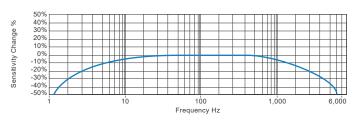
Mounted Base Resonance	5kHz min
Velocity Ranges	see: 'How To Order' table ±10%
	Nominal 80Hz at 72°F
Frequency Response: 4-20mA	600cpm (10Hz) to 60kcpm (1kHz) ± 5% - ISO10816
Frequency Response: AC	120cpm (2Hz) to 600kcpm (10kHz) ± 5% - ISO10816
Isolation	Base isolated
Range	see: 'How To Order' table
Transverse Sensitivity	Less than 5%

Mechanical		
Case Material		Stainless Steel
Sensing Element/Const	ruction	PZT/Compression
Mounting Torque		5.9ft. lbs
Weight		5.2 oz. (nominal)
Maximum Cable Length		3,280 ft.
Standard Cable Length		16 ft.
Screened Cable	Polyolefin HFFR - length	to be specified with order
Mounting Threads		see: 'How To Order' table
-		

Electrical

Outputs	4-20mA DC current proportional to
	Range and AC acceleration
Bias Voltage	3 Volts DC (nominal)
Supply Voltage	15-30 Volts DC (for 4-20mA)
Settling Time	2 seconds
Output Impedance	Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation	>10 ⁸ Ohms at 500 Volts

Typical Frequency Response (4-20mA signal)



Environmental

6°F
P68
00g
013

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 421 - Industrial Vibration Series	ensor		Cable Length (if integral UXX - length specified in f	
H S 4 2 1 X	X X X	X X X	x x x	X
Extra Options (if required) F - Filtered U - Imperial Range L - 316L Stainless Steel UP - Imperial Peak Range S - 90° Side Exit UPP - Imperial Peak to Peak Range	Velocity Range (RMS unless specified) 012 - 0-½ IPS 025 - 0-1 IPS 050 - 0-2 IPS 100 - 0-4 IPS	Sensitivity Range 100mV/g ±30g 100mV/g ±30g 50mV/g ±60g 50mV/g ±60g	Cable/Connector 37 - 4 Core Polyolefin HFFR	Mounting Threads 01 - ½-28" UNF Female 02 - ¼-28" UNF Male 05 - Quick Fit Female 06 - M6 x 1nm Male 08 - M8 x 1.25mm Male 10 - M10 x 1.5mm Male
			w.hansfordsensors.com	C E UK





We reserve the right to alter the specification of this product without prior notice TS1107U.4

