

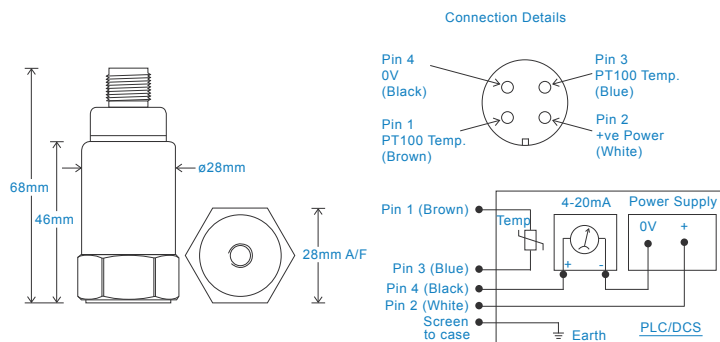
4-20mA acceleration and PT100 temperature output via M12 Connector

Key Features

- 4-20mA acceleration output
- For use with PLC/DCS systems
- PT100 temperature output

Industries

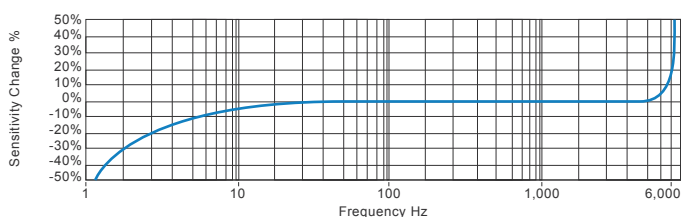
Building services, Pulp and Paper,
Mining, Metals, Utilities, Automotive,
Water, Pharmaceutical



Technical Performance		Mechanical	
Mounted Base Resonance	10kHz min	Case Material	Stainless Steel
Acceleration Ranges	see: 'How To Order' table ±10%	Sensing Element/Construction	PZT/Compression
	Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response	10Hz (600cpm) to 5kHz (300kcpm) ± 5%	Weight	150gms (nominal)
	- ISO10816	Screened Cable Assembly	HS-AC010 - straight
Isolation	Base isolated		HS-AC011 - right angle
Range	see: 'How To Order' table	Mounting Threads	see: 'How To Order' table
Temperature Output	PT100 (100 Ohms)		
Transverse Sensitivity	Less than 5%		

Electrical		Environmental	
Current Output	4-20mA DC proportional to acceleration	Operating Temperature Range	-25 to 90°C
Supply Voltage	15-30 Volts DC (for 4-20mA)	Sealing	IP67
Settling Time	2 seconds	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		

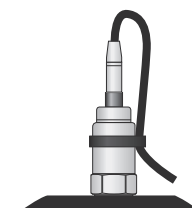
Typical Frequency Response



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
HS - Hansford Sensors

Product Series
422 - Industrial Vibration Sensor

Extra Options (if required)
F - Filtered
L - 316L Stainless Steel
RT - Temperature Output PT100
S - 90° Side Exit
P - Peak Range
PP - Peak to Peak Range

Acceleration Range (RMS unless specified)
001 - 0-1g
002 - 0-2g
005 - 0-5g
010 - 0-10g
100 - 0-100g

Cable/Connector
01 - PUR
54 - M12

Mounting Threads
01 - ¼-28" UNF Female
02 - ¼-28" UNF Male
05 - Quick Fit Female
06 - M6 x 1mm Male
08 - M8 x 1.25mm Male
10 - M10 x 1.5mm Male

Cable Length (if integral cable)
QXX - length specified in metres



www.hansfordsensors.com
sales@hansfordsensors.com

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

