HS-422RT Accelerometer 4-20mA acceleration and PT100 temperature output via M12 Connector

Key Features

• 4-20mA acceleration output

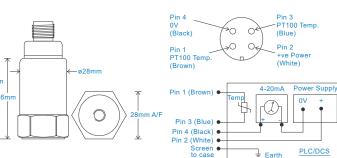
- · For use with PLC/DCS systems
- PT100 temperature output

Industries

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



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Technical Performance

Mounted Base Resonance **Acceleration Ranges** Frequency Response Isolation Range Temperature Output Transverse Sensitivity

10kHz min
see: 'How To Order' table ±10%
Nominal 80Hz at 22°C
10Hz (600cpm) to 5kHz (300kcpm) ± 5%
- ISO10816
Base isolated
see: 'How To Order' table
PT100 (100 Ohms)
Less than 5%

Case Material Sensing Element/Construction Mounting Torque

Weight Screened Cable Assembly

Mounting Threads

Mechanical

Stainless Steel PZT/Compression 8Nm 150gms (nominal) HS-AC010 - straight HS-AC011 - right angle see: 'How To Order' table

Electrical

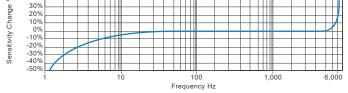
Current Output 4-20mA DC proportional to acceleration Supply Voltage 15-30 Volts DC (for 4-20mA) Settling Time 2 seconds Output Impedance Loop Resistance 600 Ohms max. at 24 Volts >108 Ohms at 500 Volts Case Isolation

Environmental

Operating Temperature Range Sealing Maximum Shock EMC

-25 to 90°C
IP67
5000g
EN61326-1:2013

Typical Frequency Response 40% %



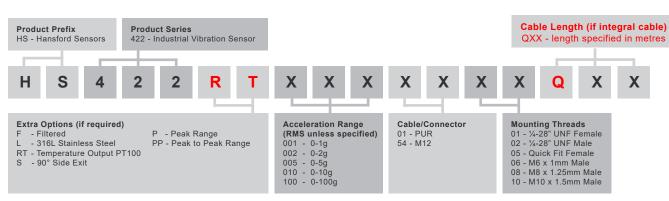
Applications

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







TS492.2

Connection Details

HS-422RT Accelerometer 4-20mA acceleration and PT100 temperature output via PUR Cable

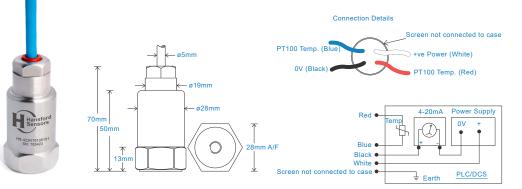
Key Features

• For use with PLC/DCS systems

- PT100 temperature output
- Waterproof
- Resistant to oil

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	Maximum Cable Length	1000 metres
Isolation	Base isolated	Standard Cable Length	5 metres
Range	see: 'How To Order' table	Screened Cable	PUR - length to be specified with order
Temperature Output	PT100 (100 Ohms)	Mounting Threads	see: 'How To Order' table
Transverse Sensitivity	Less than 5%	Submersible Depth	100 metres max. (10 bar)

Electrical

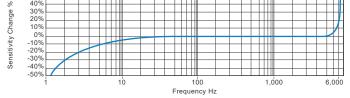
Current Output4-20mA DC proportional to accelerationSupply Voltage15-30 Volts DC (for 4-20mA)Settling Time2 secondsOutput ImpedanceLoop Resistance 600 Ohms max. at 24 VoltsCase Isolation>10⁸ Ohms at 500 Volts

Environmental

Operating Temperature Range Sealing Maximum Shock EMC

-25 to 90°C
IP68
5000g
EN61326-1:2013

Solution Solution * 40%



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

