# **HS-150RT Premium Accelerometer**

AC acceleration and PT100 temperature output via M12 Connector

## **Key Features**

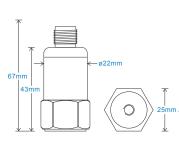
Temperature output PT100

- · Premium design
- · Customisable features

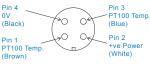
## Industries

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









## **Technical Performance**

Mounted Base Resonance	see: 'How To Order' table (nominal)
Sensitivity	see: 'How To Order' table ± 10%
	Nominal 80Hz at 22°C
Frequency Response	1.5Hz (90cpm) to 10kHz (600kcpm) ± 5%
	0.5Hz (30cpm) to 12kHz (720kcpm) ± 10%
	0.2Hz (12cpm) to 15kHz (900kcpm) ± 3dB
Isolation	Base isolated
Range	see: 'How To Order' table
Temperature Output	PT100 (100 Ohms)
Transverse Sensitivity	Less than 5%

Case Material
Sensing Element/Construction
Mounting Torque
Weight
Screened Cable Assembly

Mounting Threads

Mechanical

#### Stainless Steel PZT/Shear 8Nm 140gms (nominal) HS-AC010 - straight HS-AC011 - right angle see: 'How To Order' table

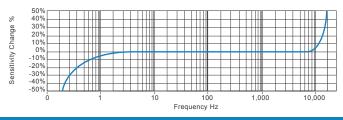
Electrical	
Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	1 second
Output Impedance	200 Ohms max.
Case Isolation	>10 <sup>8</sup> Ohms at 500 Volts

# Environmental

**Operating Temperature Range** Sealing Maximum Shock EMC

-55 to 130°C
IP67
5000 g
EN61326-1.2013

# Typical Frequency Response (at 100mV/g)



#### **Applications**

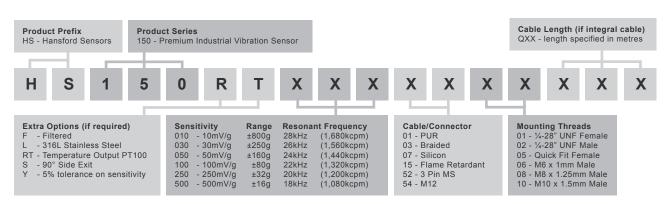
Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, VAC, Spindles, Machine Tooling, Process Equipment

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





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CE

TS285.5

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