# HS-100RT Accelerometer AC acceleration and PT100 temperature output via PUR Cable

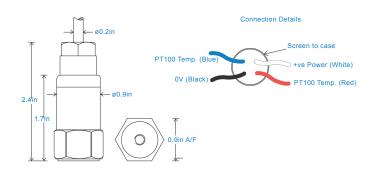


- Temperature output PT100
- Waterproof
- · Resistant to oil

### 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 72°F
Frequency Response	120cpm (2Hz) to 600kcpm (10kHz) ± 5%
	90cpm (1.5Hz) to 720kcpm (12kHz) ± 10%
	48cpm (0.8Hz) to 900kcpm (15kHz) ± 3dB
Isolation	Base isolated
Range	see: 'How To Order' table
Temperature Output	PT100 (100 Ohms)
Transverse Sensitivity	Less than 5%

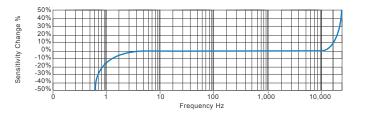
Case Material	Stainless Steel
Sensing Element/Construction	PZT/Compression
Mounting Torque	5.9ft. Ibs
Weight	3.7 oz. (nominal) body only
Maximum Cable Length	3,280 ft.
Standard Cable Length	16 ft.
Shielded Cable	PUR - length to be specified with order
Mounting Threads	see: 'How To Order' table
Submersible Depth	328 ft. max (10 bar)

Electrical	
Excitation Voltage	18-30 Volts DC
Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	2 seconds
Output Impedance	200 Ohms max.
Case Isolation	>10 <sup>8</sup> Ohms at 500 Volts

## Environmental

Mechanical

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

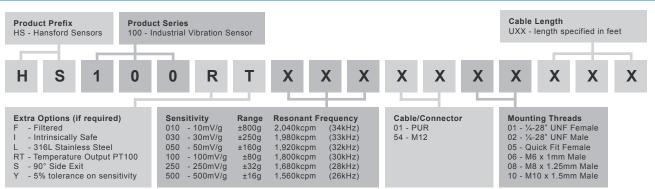
Vibration sensor should be firmly fixed to a flat surface

(spot face surface may be needed to be produced and cable anchored to sensor body.)

-22 to 194°F IP68 5000g

EN61326-1:2013

## How To Order





www.hansfordsensors.com sales@hansfordsensors.com



We reserve the right to alter the specification of this product without prior notice TS291U.8