HS-150T Premium Accelerometer

AC acceleration and temperature output via Braided Cable

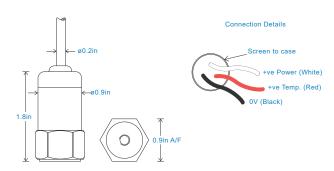
Key Features

- · Temperature output
- · Customizable features
- · Premium design

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 90cpm (1.5Hz) to 600kcpm (10kHz) ± 5% 30cpm (0.5Hz) to 720kcpm (12kHz) ± 10% 12cpm (0.2Hz) to 900kcpm (15kHz) ± 3dB Isolation Base isolated Range see: 'How To Order' table 10 mV/°C standard 212°F - Option 300°F Temperature Transverse Sensitivity Less than 5%

Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Shear Mounting Torque 5.9ft. lbs 3.7 oz. (nominal) body only Weight Maximum Cable Length 3.280 ft. Standard Cable Length 16 ft. Shielded Cable Braided - length to be specified with order Mounting Threads see: 'How To Order' table

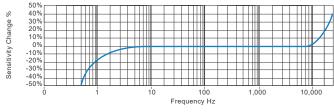
Electrical

Excitation Voltage: 18-30Volts DC 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. >108 Ohms at 500 Volts Case Isolation

Environmental

-67 to 300°F Operating Temperature Range Sealing IP65 Maximum Shock 5000g **EMC** EN61326-1:2013

Typical Frequency Response (at 100mV/g)



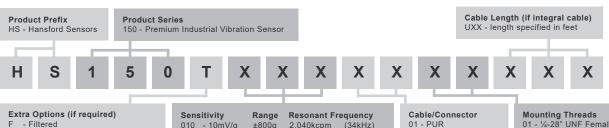
Applications

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



1,680kcpm

1,560kcpm

(28kHz)

(26kHz)

F - Filtered HT - High Temperature maximum 300°F

- 316L Stainless Steel - 90° Side Exit

- Temperature Output

- 5% tolerance on sensitivity

- 10mV/g ±800g 2,040kcpm - 30mV/g ±250g 1,980kcpm (33kHz) 050 - 50mV/a ±160a 1.920kcpm (32kHz) - 100mV/g (30kHz) 100 ±80g 1,800kcpm

±32g

±16g

- 250mV/g

- 500mV/g

03 - Braided

07 - Silicon 15 - Flame Retardant

52 - 3 Pin MS 54 - M12

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



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