HS-130 Series Vibration Sensor

Compact, AC General Purpose Accelerometer



Typical Applications

Proven use in vibration monitoring for offline applications using commercially available data collectors and online monitoring systems in the fields of Building Services, Civil Engineering, Paper and Pulp, Mining, Metals Manufacture, Utilities, Automotive, Water and Waste Treatment, Pharmaceutical, Aerospace, etc.

Protecting...

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyers, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, HVAC, Spindles, Machine Tooling, Process Equipment and many more.

Technical Performance

Mounted Base Resonance

Sensitivity

Frequency Response

Isolation

Measurement Range

Transverse Sensitivity

22 kHz (nominal)

100 mV/g ±10% Nominal 80 Hz at 22 °C

2 Hz to 10 kHz ±5 % 0.8 Hz to 15 kHz ±3 dB

Base isolated

±80 a

Less than 5%

Electrical

Electrical Noise 0.1 mg max **Current Range** 0.5 mA to 8 mA Bias Voltage 10 - 12 Volts DC Settling Time 2 seconds Output Impedance 200 Ohms max. Case Isolation >108 Ohms at 500 Volts

Environmental

-55 to 140 °C Operating Temperature Range

Sealing **IP65** 5000 g Maximum Shock

EN61000-6-4:2001 **Emissions** EN61000-6-2:1999 **Immunity**

Mechanical

Case Material Stainless Steel PZT/Compression Sensing Element/Construction

8 Nm Mounting Torque

Weight

30 gms (nom) 1000 metres Maximum Cable length 5 metres Standard Cable length

See 'How to order' table Mounting Threads

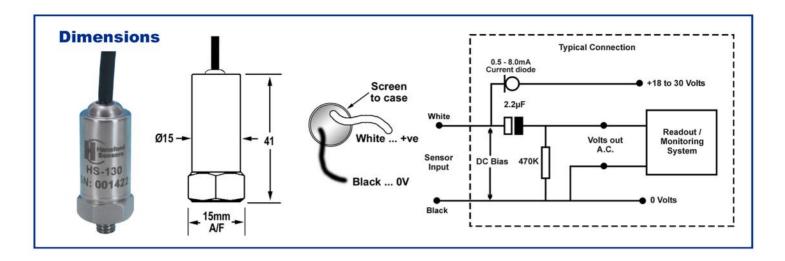
Intrinsically safe, connector, cable length, **Options** various mounts, other sensitivities



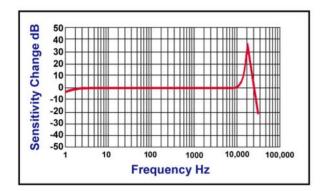
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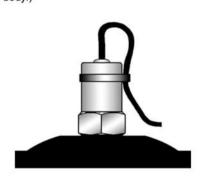
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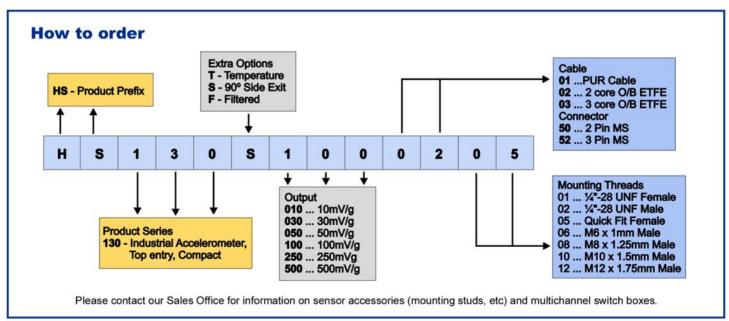


Frequency Response



Mounting of sensor to achieve good repeatable readings. 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.)





TS031 Iss01

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

Ref: HS130-0107



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