HS-160 Accelerometer

AC velocity output via M12 Connector

Key Features

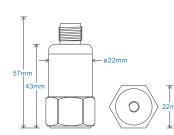
• For use with data collector

- AC velocity output
- · Customisable features

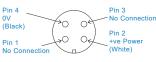
Industries

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









Technical Performance

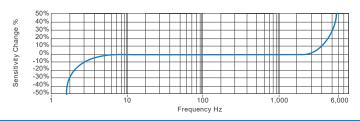
Mounted Base Resonance see 'How To Order' table (nominal) Sensitivity see: 'How To Order' table $\pm 10\%$ Nominal 80Hz at 22°C 3Hz (180cpm) to 4.5kHz (270kcpm) ± 10% Frequency Response 2Hz (120cpm) to 6kHz (360kcpm) ± 3dB Isolation Base isolated Range see: 'How To Order' table Transverse Sensitivity Less than 5%

| Case Material | |
|------------------------------|-------|
| Sensing Element/Construction | |
| Mounting Torque | |
| Weight | 106gm |
| Screened Cable Assembly | |
| | Н |
| Mounting Threads | see |
| | |

Stainless Steel PZT/Compression 8Nm ns (nominal) body only HS-AC010 - straight IS-AC011 - right angle : '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 | 2 seconds |
| Output Impedance | 200 Ohms max. |
| Case Isolation | >10 ⁸ Ohms at 500 Volts |

Typical Frequency Response



Environmental

Mechanical

Operating Temperature Range Sealing Maximum Shock EMC

-55 to 140°C IP67 5000g EN61326-1:2013

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



www.hansfordsensors.com sales@hansfordsensors.com

CE

We reserve the right to alter the specification of this product without prior notice TS128.7