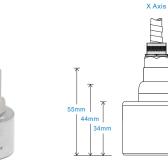
HS-173R Premium Triaxial Accelerometer AC acceleration output via 4 Core Screened FEP Cable with Protective Conduit

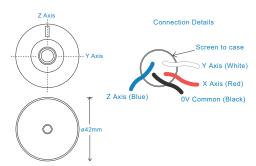
Key Features

- · Output via three axes
- For use with data collector
- Resistant to oil Protective Conduit

Industries

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

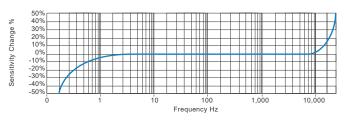




| Technical Performance | | Mechanical | |
|------------------------|--|----------------------|--|
| Mounted Base Resonance | see 'How To Order' table (nominal) | Case Material | Stainless Steel |
| Sensitivity | see: 'How To Order' table ±10% | Sensing Element/Con | struction PZT/Shear |
| | Nominal 80Hz at 22°C per axies | Mounting Torque | 8Nm |
| Frequency Response | 2Hz (120cpm) to 10kHz (600kcpm) ± 5% | Weight | 194gms (nominal) - Stainless Steel |
| | 1.5Hz (90cpm) to 12kHz (720kcpm) ± 10% | Maximum Cable Leng | th 1000 metres |
| | 0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB | Standard Cable Lengt | th 5 metres |
| Isolation | Base isolated | Screened Cable 4 | 4 Core Screened FEP- length to be specified with order |
| Range | see: 'How To Order' table | Mounting Threads | see: 'How To Order' table |
| Transverse Sensitivity | Less than 5% | Mounting Stud | HS-AS226, HS-AS221 or HS-AS222 |
| | | Submersible Depth | 100 metres max (10 bar) |
| | | | |

| 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 ⁸ Ohms at 500 Volts |

Typical Frequency Response (at 100mV/g)



Environmental

| Operating Temperature Range |
|-----------------------------|
| Sealing |
| Maximum Shock |
| EMC |
| |

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.)



-55 to 150°C

EN61326-1:2013

IP68

5000g

How To Order

| Product Prefix HS - Hansford Sensors | Product Series 173 - Triaxial Industrial Vibr | ation Sensor | | | | |
|---|--|--|--|--|-------|---|
| H S 1 | 7 3 R | X X | X X | X X | X | |
| Extra Options (if required) F - Filtered R - Round Design | Sensitivity 010 - 10mV/g 030 - 30mV/g 050 - 50mV/g 100 - 100mV/g 250 - 250mV/g 500 - 500mV/g | Range Resor ±800g 20kHz ±250g 19kHz ±160g 18kHz ±80g 17kHz ±32g 16kHz ±16g 15kHz | (1,140kcpm) (1,080kcpm) (1,020kcpm) (960kcpm) | Cable/Connector 42C - 4 Core Scro FEP Cable with Protective Condu | eened | Mounting Threads 01 - ¼-28" UNF Fem 02 - ¼-28" UNF Male 06 - M6 x 1mm Male 08 - M8 x 1.25mm M |



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We reserve the right to alter the specification of this product without prior notice TS1071.5

