



Hansford Sensors

Excellence in Vibration Monitoring



**Sensors
that
protect
your
plant...**

Monitoring vibration...

Vibration Sensors - AC versions Series HS-100



Series HS-100

- Top entry, Industrial Accelerometers
- 100mV/g output (others available)
- Robust, welded stainless steel construction
- Frequency Response over 2 Hz to 10 kHz (typical)
- ATEX and IEC Ex certified for Group I and Group II
- Submersible IP 68 sealed version available
- Cable or Connector outlet, including the new M12
- Operating temperature range of -55 to 140°C
- Choice of mounting threads or studs



Series HS-100S - Low profile

- Low profile, Side entry, Industrial Accelerometers
- 100mV/g output (others available)
- Robust, welded stainless steel construction
- ATEX and IEC Ex certified for Group I and Group II
- Frequency Response over 2 Hz to 10 kHz (typical)
- Cable or Connector outlet, including the new M12
- Operating temperature range of -55 to 140°C
- Submersible IP 68 sealed version available
- Metric or Imperial threads



Series HS-100T - Dual Output

- Dual output, Industrial Accelerometers
- Vibration (100mV/g) and Temperature outputs
- Top or side entry
- Robust, welded stainless steel construction
- Frequency Response over 2 Hz to 10 kHz (typical)
- Cable or Connector outlet, including the new M12
- Operating temperature range of -55 to 140°C
- Various mounting threads and studs



Series HS-105 - High Temperature

- Industrial accelerometer
- Operating temperature range of -55 to 250°C.
- 100mV/g output with the external charge amplifier.

Series HS-130 - Compact version

- Compact general purpose accelerometer
- 100mV/g output and low weight.
- Cable or new M8 connector

Series HS102 - Low Cost

- General purpose Industrial accelerometer
- 100mv/g output

For more information on any of the above sensors, request a Data Sheet or visit www.hansfordsensors.com

The Vibration Sensors shown on these pages are our standard models, but we also offer a custom-design service where we will design and build a specific sensor to exactly fit your requirements. Call us for details...

Monitoring vibration...

Vibration Sensors - 4-20mA versions Series HS-420



Series HS-420

- Top entry, Industrial Accelerometers
- 4-20mA output for PLC connection
- Robust, welded stainless steel construction
- Frequency Response over 2 Hz to 10 kHz (typical)
- Submersible IP 68 sealed version available
- Cable or Connector outlet, including the new M12
- Operating temperature range of -25 to 90°C
- Choice of mounting threads or studs
- ATEX and IEC Ex Group I and Group II



Series HS-421

- Top entry, Industrial PLC Accelerometers
- Dual output of 4-20mA proportional to velocity and AC 'g' for data collection.
- Robust, welded stainless steel construction
- Frequency Response over 2 Hz to 10 kHz (typical)
- Submersible IP 68 sealed version available
- Cable or Connector outlet, including the new M12
- Operating temperature range of -25 to 90°C
- Choice of mounting threads or studs



Series HS-420T - Temperature Output

- Dual output measuring vibration and temperature
- ATEX and IEC Ex certified for Group I & Group II

Series HS-422

- 4-20mA output proportional to 'g'
- Top entry, Industrial Accelerometer
- Robust, welded stainless steel construction
- Frequency Response over 2 Hz to 10 kHz (typical)
- Submersible IP 68 sealed version available
- Cable or Connector outlet, including the new M12
- Operating temperature range of -25 to 90°C
- Choice of mounting threads or studs
- ATEX and IEC Ex certified for Group I & Group II



Accessories for Vibration Sensors

- Magnetic Mounts
- Mounting Studs (various threads or glue fixing)
- Connection brackets
- Cable assemblies for connection to Data Collectors

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Monitoring vibration...

Sensor Equipment - Switch Boxes, Series 500 Sensor Modules



Switch Boxes - Series HS-SE

- The HS-SE provides a common point to terminate up to 100 sensors and with the rotary switch allows readings to be taken with a portable data collector.
- Available in various materials including painted mild steel, stainless steel, GRP, etc.

Monitoring / Protection Systems



Series HS-500 - Sensor Modules

- A family of DIN rail mounted modules for use with our sensors.
- HS-510 - Vibration/Trip Display Module
- HS-530/535 - Triple output (Bearing Condition, Velocity & AC)
- HS-540 - Converter Module 0-10V to 4-20mA
- HS-550 - Accelerometer Power Supply & Signal Amplifier
- HS-551 - Accelerometer Power Supply
- HS-556 - Single Channel Interface Module
- HS-570 - Power Supply Module (For HS-510, 520 & 530/535)
- HS-580 - Industrial enclosure to house HS-500 modules
- Wireless Options

About us



Hansford Sensors has many years experience in the design and manufacture of Vibration Monitoring products, and offers a wide range of Industrial Accelerometers.

We are committed to providing quality, cost-effective products and services, and focus on building good working relationships with our customers.

All of our products are manufactured to ISO 9001:2000 and designed to give you reliable and accurate vibration measurement. We offer expert technical advice and practical assistance whenever required and can also provide bespoke product design. Our standard warranty terms are 36 months on our entire product range, backed by our no quibble exchange policy.



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