



VIBRATION SENSORS FOR THE OIL & GAS INDUSTRY

Industrial accelerometers, 4-20mA transmitters and loop powered vibration sensors and systems for use in pumps, fans, gearboxes, cooling towers and motors in upstream, midstream and refining facilities.



No Hassle Lifetime warranty



We guarantee each product against defects in material and workmanship. We will promptly repair or replace the defective components without charge.

Our 'No Hassle' guarantee means we will replace a defective product immediately without waiting for it to be returned to for assessment. That way we ensure that your production operation keeps running.

Worldwide approvals for hazardous locations



Hansford Sensors is a truly global supplier and has hazardous location certification that covers many countries around the world.

If you are an OEM equipment supplier this is very important for exporting product around the world. In addition Hansford Sensors has offices in many continents that can support end user customers.

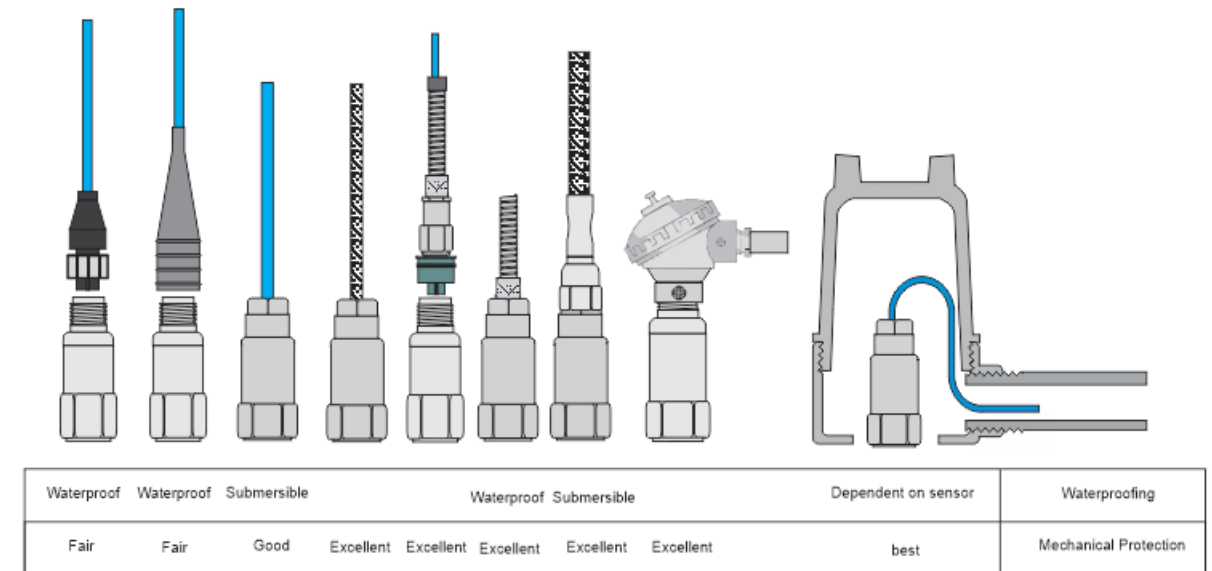
Local Inventory for Same Day Shipment



Hansford Sensors has a 'same day shipment' warehouse with extensive inventory designed to meet the needs quick delivery demands of the oil and gas industry.

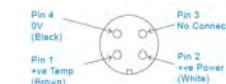
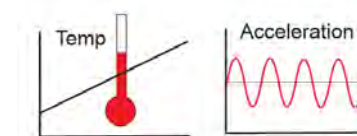
All orders received before 4.00pm can ship out the same day. If we do not have it in inventory manufacturing can turn our most popular models around in 2-5 days and most of our catalog products can ship in 5-10 days.

Degrees of mechanical protection



Whatever the rigors that upstream, midstream or downstream can throw at us, Hansford Sensors has an accelerometer that is up to the task. From deep underwater to high temperature to mechanical abuse Hansford Sensors can provide a solution.

AC Accelerometers with Additional Temperature Output



The HS-150 (standard unit) and the HS-150-H (High temperature) and HS-150S (Side exit) Series Accelerometers can be supplied with a temperature output either with a PT100 RTD or with a semiconductor temperature sensor in addition to the AC signal.

The sensors can be scaled to provide 0-1 volt output for 120°C/250 °F or 150°C/300 °F depending on the operating temperature range of the accelerometer.

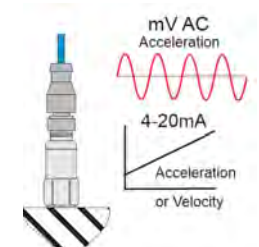
OEM Sensors for Machine Builders



Hansford Sensors are OEM suppliers to a wide range of Oil & Gas Industry Machinery Manufacturers around the world. Hansford OEM products range from crystal stack assemblies to full accelerometer systems specifically designed to meet individual customer needs.

Hansford Sensors are able to help OEM customers maximize 'after sales' revenues by branding product with the OEM customer's logo and part number. 60% of all Hansford Sensors products that are shipped every year do not have the Hansford logo on it. The chances are you are already using a Hansford Sensors Accelerometer but you just don't know it.

Combined AC and 4-20mA sensors for permanent machine protection



The HS-421/423 is an dual output 4-20mA sensor with the AC output also made available. This means for very low cost you can get permanent machine protection with the ability to provide the AC signal for diagnostics or to be part of a data logger route.

The accelerometer is powered by a 15-30V DC voltage and powers both the 4-20mA sensor and the AC sensor and, as a consequence, only works with Data-loggers where the IEPE power supply can be turned off. The 4-20mA output can be proportional to RMS, peak or peak to peak acceleration (HS-423) or Velocity (HS-421).

Submersible accelerometers



In wet areas, our standard AC sensors (HS-150 Series) fitted with integrated silicon cables that are sealed to IP68 rated and are fully submersible to 100ft .

Intrinsically safe accelerometers



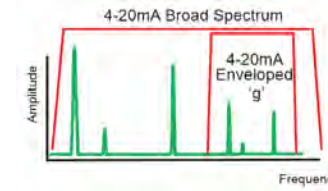
We have you covered with Class I Div I or ATEX certified top exit or side exit, connector, integral cable or flexible conduit accelerometers with and without additional temperature measurement.

Intrinsically safe 4-20mA accelerometers



Class I Div I or ATEX certified connector, integral cable or flexible conduit 4-20mA proportional to velocity or acceleration, with or without temperature.

Bearing wear monitoring

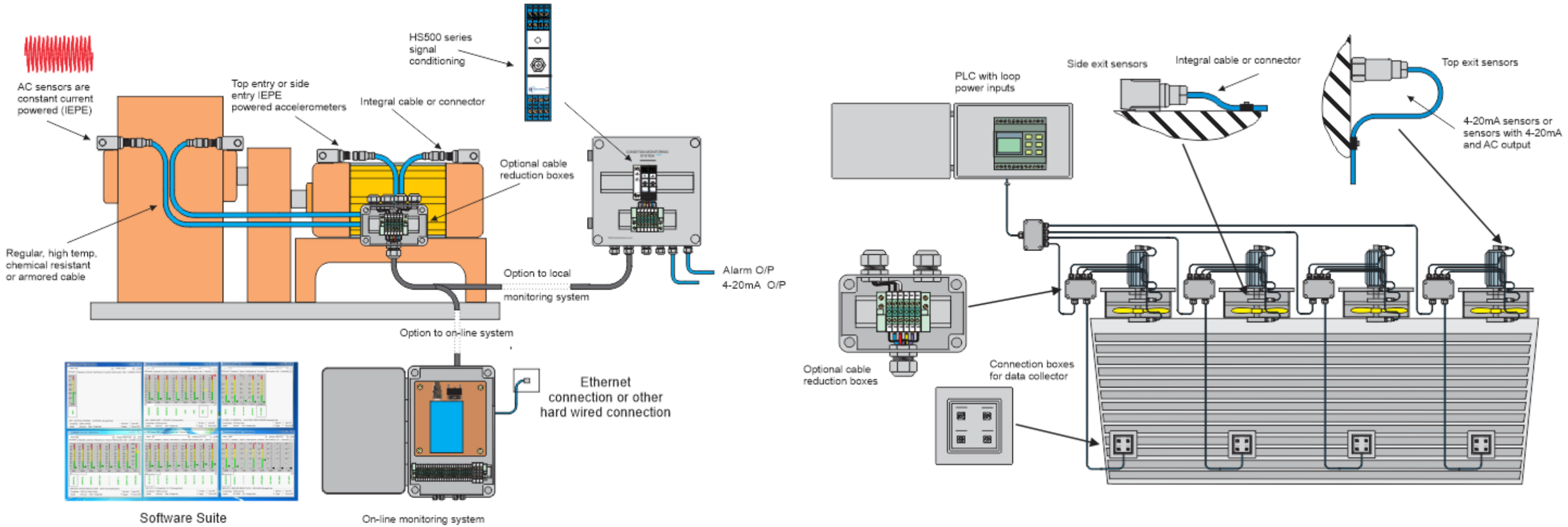


Monitor overall vibration for general fault and wear detection and also focus in on bearing wear with the HS-500 series modules.

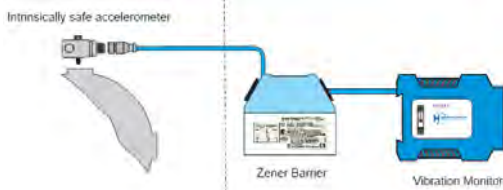
Intrinsically safe triaxial accelerometers



Intrinsically safe triaxial and biaxial accelerometers with connector cable or flexible conduit for all your permanently installed or route based measurements.



Zener Barriers



Hansford Sensors can support intrinsically safe installations with either Zener barriers or galvanically isolated barriers.

Intrinsically safe junction boxes



Hansford Sensors full product line for the oil and gas includes ATEX certified junction boxes for cable reduction in hazardous locations.

Conduit fittings and heads



If your installation requires rigid conduit then our accelerometers with conduit adaptors can be specified.

Intrinsically safe connection boxes



Included in our products to support route based vibration monitoring we have ATEX approved intrinsically safe connection boxes.

High frequency accelerometers



High frequency accelerometers with a flat frequency response up to 28kHz for multi-stage compressors and boiler feed pumps monitoring and bearing wear detection.