

Sensors Overview

**SIGNAL
CONDITIONER
SOLUTIONS**

FOR ACCELEROMETER
& PRESSURE SENSORS



General Overview

About Strainsense

Established in 2002 and based in Milton Keynes. We focus on providing Sensor and Data Acquisition solutions in various markets not limited to Automotive/Autosport, Crash, Military, Aerospace and Research facilities.

All of us, Internal Engineers, Product Specialists & External Sales focus our time providing application solutions using various sensing technologies within our extensive portfolio. Uniquely we can provide custom products, solutions and systems.

Accredited ISO9001:2015 & ISO14001:2015

Full compliance Conflict Minerals, Reach, RoHS, Anti-Slavery, Anti-Bribery, Ethics & Standards.

Sensors and Data Acquisition

Pressure	General Industrial, High Temperature, Miniature/Dynamic
Force/Torque	Pancake, S-Beam, Low Profile, Multi-axis, Custom solutions
Position	Linear & Rotary, LVDT, Inclinometers, String Pots
Vibration	AC & DC coupled & Servo Accelerometers
Strain	Specialise in high temperature, gauging In-house, on site
Inertial	Gyros, IMUs, INS & GPS
Current	Zero Flux & Rogowski coils, AC & DC coupled
Data Acquisition	Mobile, Test rigs & analysis software

Solutions to integrate all the above with signal conditioning, displays, cables & amplifiers.



MICROSENSOR

PIEZOCRYST
ADVANCED SENSORIES GMBH



inelta
Sensorsysteme



Sherborne Sensors



Signal conditioning for Accelerometers

Strainsense offer a wide range of signal conditioners to complement your choice of accelerometer. In particular when using an IEPE or charge mode accelerometer the signal will need converting into a useable signal by your acquisition system. From voltage or current to digital output we have signal conditioners for all eventualities.

Single channel modular signal conditioners

From a simple charge converter, to a fully programmable output

Versatile and very simple to set up

Modular system can be stacked to make multi-channel units

Optional display and USB connectivity



Din rail mounting or Rack mounting signal conditioners

From 8 channels, stackable units

Programmable functions with optional built in display

Custom functionality available for condition monitoring



USB signal conditioners with bespoke software

Single or multi-channel with USB connectivity to PC

Software options suited to specific functionality

Easy to set up and record data



All-in-one accelerometer and signal conditioners

Designed for specific tasks

Built in data storage and software to analyse vibration modes

Optional outputs and/or SMS messaging



Single channel modular signal conditioners

Single channel signal conditioners to convert Charge or IEPE to a voltage output signal.

IEPE 100 charge converter

Simple in-line converter changes charge-mode to IEPE signal

Requires additional signal conditioning or IEPE input logger

Dip switch programmability to set range



M29/M31 stackable single channel signal conditioners

Fixed gain (M29) or selectable gain (M31) x1 to x1000

DC power input with removeable banana plugs to connect together

Internal low or high pass Filter module selected when ordering

LED status indicators



M72 series benchtop Laboratory signal conditioner

Selectable programming via pushbuttons

IEPE or charge mode and filtering options via pushbuttons

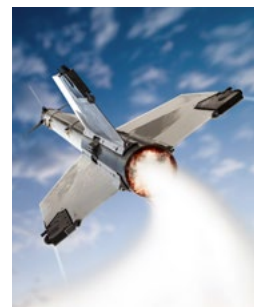
LED indicator (M72B1) or display (M72A1)

M72S1 and M72R1 rack-mountable options



Thank you.

Contact us today for the latest sensor technology.



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