

Senstech

innovative Sensor Technology









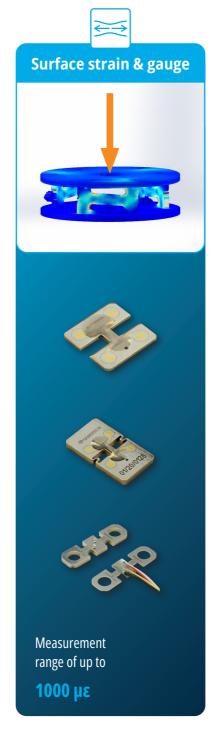


PRODUCTS

FEATURES

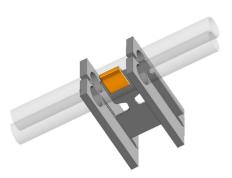






Miniaturization

- Scalability with high process reliability
- Easy integration
- Simple signal processing
- Very good linearity
- Long-term stability, drift < 0.03%/a
- Temperature stability, drift < 0.01%/K
- No systematic creep effect

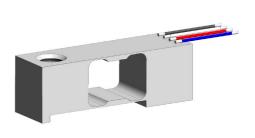


Non-contact, indirect pressure measurement

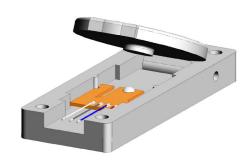


Miniature load platform designed for precision sensing

Examples for easy integration



Miniature load cell based on thin-film technology



Simplified sensor fixation in engineered plastic parts



CUSTOMIZED SENSORS

Customized sensors for your application

Our agile Iteration loops enable our customers to better understand, adapt and develop their applications more quickly.

- We jointly analyze the application and define requirements
- We design the sensor accordingly
- We produce prototypes within a few weeks through our extensive in-house manufacturing capabilities
- We rapidly refine the sensor design based on customer feedback

Senstech offers custom sensors for force, pressure, surface strain and gauge.

OUR SWS TECHNOLOGY

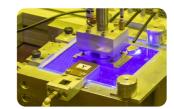




Laser cutting & Laser drilling



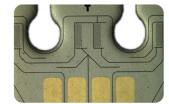
Sputtering



Lithography



Laser welding



Laser ablation & structuring



Laser trimming



Soldering



Measurement & control

EVERY HEARTBEAT COUNTS

Hardness measurement in cardiotocography

? Challenge

Monitoring contractions during childbirth.

Solution

A compact sensor mounted in a plastic housing with a round rivet head for force application.



NOT ALL HEROES WEAR SCRUBS



Detecting kinks in the tube or complications at the puncture site.

Solution

A force sensor is laterally applied onto a silicone tube which is only allowed to expand in the direction of the sensor.

NO THREATS FROM THREADS

Yarn tension monitoring

Challenge

Measuring yarn tension in textile production.

Solution

A tailored sensor which simultaneously guides the yarn and monitors the tension.



PEACE OF MIND



Manipulation aid in insulin pumpse

Challenge

Enabling the device to verify whether the ampoule has been inserted correctly.

Solution

A customized force sensor measures the contact pressure on the plunger of the pump.











Who we are

- Manufacturer and developer of thin-film strain gauges All key development and production steps are carried out in our own facilities in Switzerland.
- Together is how we work best We are passionate about sensing and create solutions that best fit the application's needs.
- Reliable partner in MedTech and beyond We ensure safety and performance in a wide range of applications.
- Fast & agile Our fast provision of functional prototypes supports our customers in testing and refining their solutions quickly.
- Part of the Endress+Hauser Group Supported by family-driven values.

Certified according to ISO 9001 and ISO 13485



YOUR GLOBAL SUPPLIER OF OEM FORCE SENSORS

