



 Druck

Custom Pressure Sensor Capabilities

Our extensive range of standard products doesn't suit your needs? Druck can design and build a custom pressure sensor for you.

Baker Hughes 



What sets us apart?

Since our inception, we have had the unique capability of being able to design and manufacture our own silicon in-house. This has enabled Druck to develop an expertise in silicon-based pressure sensors and easily adapt our technology to different customer requirements and industries.

In turn, Druck has developed a long-standing history of producing the most accurate, durable, and reliable sensors on the market, limiting the need for maintenance and providing a low total cost of ownership.

Specifications

This abbreviated list includes some, but not all, of capabilities of the Druck Technology:

- **Pressure Ranges:** 0.4 to 20,000 psi. (25 mbar to 1400 bar)
- **Accuracy:** down to $\pm 0.01\%$ Full Scale (100 ppm)
- **Temperature Ranges:** -55°C to $+175^{\circ}\text{C}$ (-65°F to $+347^{\circ}\text{F}$)
- **Materials of Construction:** 316L SS, C276 Hastelloy, Titanium, Inconel
- **Electrical Outputs:** mV, V, mA, digital (RS232/485, CANBus, I2C, USB, SDI-12, Modbus and others)

Core Competencies

- Pressure Technology Centre of Expertise
- Class 100 Silicon Wafer and Die Fab
- Electron Beam and Laser Welding
- Wire Bonding
- Test and Measurement UKAS Calibration Facility
- Design for Hazardous Area and Industry Specific Certification

Industrial Segments ||||| and Applications*

*Including but not limited to



Aerospace

Flight critical hardware,
Flight test, Ground test



Power Generation

Turbine monitoring &
control, Fuel flow, Hydrogen



Automotive

Automotive test, On-Car
test, Motorsport, Hydrogen



Meteorology

Barometric pressure for
Weather stations in harsh
environments



Oil & Gas

Wellhead monitoring, Gas
transmission, Artificial lift



Semiconductor

Gas handling equipment,
Wafer fabrication



Water/Wastewater

Depth/level monitoring,
water wells, Tanks, Reservoir,
Dams, Lakes



Medical

Leak testing, Dialysis
devices, Respirators, Medical
imaging equipment

Certifications and ||||| Accreditations

- ISO9001
- ISO17025 (UKAS) Accredited Laboratory
- EASA 748/2012 (Part 21 G)
- EASA (Part 145)
- AS9100
- ISO14001 Environmental Certificate
- NADCAP for Welding

Peace of Mind Technology

Our sensors provide
reliable data to help you
make the right decisions

Why Partner with Druck?

Experience and Expertise

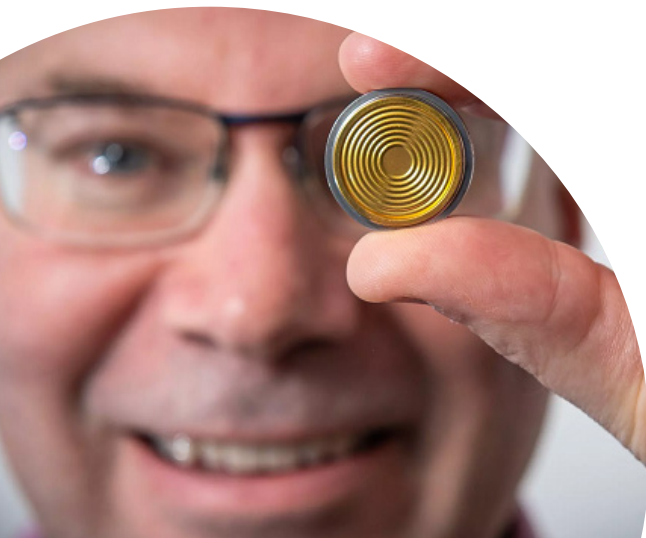
- Druck has been committed to making the highest accuracy and stability sensors since our inception.
- We have professional project management and full design teams on-hand to support your projects and custom sensor needs.
- We have built an extensive amount of domain knowledge that you can access to the benefit of your project.
- Druck have a engineering and manufacturing capabilities in multiple global locations that can best support region specific requirements.

Technology

From the beginning, Druck has concentrated on developing our piezoresistive silicon strain gauge technology. Piezoresistive silicon strain gauge sensor technology has historically offered the highest levels of accuracy and stability of any pressure sensor technology available. Druck's silicon strain sensor design is the best of the best.

Innovation

Druck was one of the original pioneers of silicon sensor technology and we continue to develop and expand our technology capabilities. For example, our TERPS resonant silicon technology has significantly improved achievable accuracy and stability levels even over our best-in-class silicon strain gauge technology.



Over 50 years

Druck has been manufacturing pressure sensors in-house since 1972