

About Us

Established in 1978 as a family business, H&B Sensors has been committed to the manufacture and supply of high quality products that are reliable, efficient, and environmentally sustainable for over 45 years.

Investment in our people and organisational policy ensures a sense of teamwork and a high level of integrity. This, in turn, leads to increased performance and high levels of workmanship.

H&B Sensors has built a strong reputation for providing outstanding customer service from the initial enquiry through to delivery and beyond, offering a tailored customer service experience in line with specific customer needs and requirements.

Our primary focus is to ensure complete customer satisfaction within our range of products and services in order to achieve long lasting customer relationships, built on a foundation of trust and confidence.



Our Expertise

At H&B Sensors, we do not just manufacture products; we provide solutions. Our agility allows us to quickly design and manufacture custom and bespoke solutions that meet our customers' needs. Through constant development and investment in our ISO 9001:2015 approved management system, we strive to realise these goals on a daily basis.

Our wealth of experience and understanding of applications across varied industries, including aerospace, automotive, chemical, food and beverage, marine, oil and gas, pharmaceutical, power, and water/waste-water processes, allows us to design, manufacture and deliver high quality, reliable and technically capable customer-focused products.

Certifications

- ▶ **ISO 9001:2015**
- ▶ **ATEX EU Type Examination**
- ▶ **IECEx IEC Type Examination**
- ▶ **UKEX UK Type Examination**
- ▶ **Dye Penetrant PCN**
- ▶ **ASME IX Welder Performance Qualification**

RTDs

Our RTDs are commonly used for precise temperature measurements between -196°C and +600°C in various industrial, scientific, and commercial applications. They exhibit good long term stability, providing reliable and consistent readings over time.

- ▶ Air, immersion, and surface mounted designs
- ▶ Threaded, flanged, weld-in, and hygienic process connections
- ▶ Connection heads available in plastic, aluminium, or stainless steel, with local display option
- ▶ Accuracy classes in accordance with IEC 6075
- ▶ UKAS temperature calibration between -90°C and +600°C
- ▶ ATEX, IECEx, and UKEX hazardous area certification



Thermocouples

Our thermocouples are suitable for measuring temperatures between -200°C and $+1600^{\circ}\text{C}$; offering a fast response time makes them suitable for applications where rapid temperature changes need to be monitored. Thermocouples are highly durable, often suitable for high vibration, making them the perfect choice for harsh environments.

- ▶ Air, immersion, and surface mounted designs
- ▶ Threaded, flanged, weld-in, and hygienic process connections
- ▶ Connection heads available in plastic, aluminium, or stainless steel, with local display option
- ▶ Class 1 accuracy in accordance with IEC 60584
- ▶ UKAS temperature calibration between -90°C and $+1200^{\circ}\text{C}$
- ▶ ATEX, IECEx, UKEX hazardous area certification



Thermowells

Thermowells are used to isolate temperature sensors from direct contact with the process media, which may be corrosive, abrasive, or otherwise detrimental. With a thermowell in place, temperature sensors can be easily removed or replaced for calibration or maintenance without interrupting the industrial process, aiding operational maintenance.

- ▶ Solid drilled, forged, and fabricated construction
- ▶ Threaded, flanged, weld-in, hygienic process connections
- ▶ ASME PTC 19.3 TW-2016 wake frequency calculations
- ▶ Non-destructive testing
- ▶ Exotic materials, NACE MR0175, and coated wetted parts
- ▶ Material certification available to EN 10204 3.1 and 3.2



Level Float Switches

Level float switches are simple to install and offer long term, trouble free operation in almost any liquid media. Level float switches are commonly used in applications such as liquid level monitoring, pump control, and alarm systems, where other technologies are unreliable, such as high foaming liquids or excessive pressure.

- ▶ Single or multi level switch points
- ▶ Threaded, flanged, and submersible designs
- ▶ Connection heads available in plastic, aluminium, or stainless steel
- ▶ Vertical or horizontal mounting options
- ▶ ATEX, IECEx, UKEX hazardous area certification
- ▶ Temperature sensor or temperature switch integration



Temperature Transmitters

Our temperature transmitters help ensure accurate and reliable measurements to support the safety and efficiency of your operations. They are available in field mount, in-head, or DIN rail format, allowing flexible installation options. Our highly configurable field mounted models are available with either an aluminium or stainless steel housing and incorporate a high definition LCD backlit display.

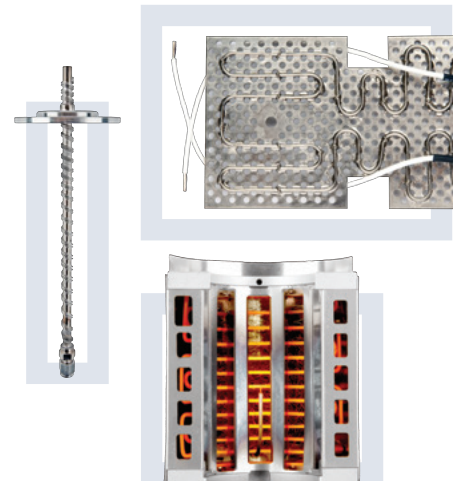
- ▶ RTD and thermocouple input, 4-20mA output
- ▶ ATEX, IECEx, UKEX hazardous area certification
- ▶ HART communication and SIL approval
- ▶ Dual input, maths function, data logging, and sensor redundancy



Miniature Heaters

Our bespoke miniature heaters are reliable and highly robust; they are designed for use up to +900°C. Miniature heaters are used widely in industrial and aerospace applications and will withstand very high levels of vibration. Our heaters have a uniform external diameter and are ductile enough to be formed into virtually any shape with a minimum bend radius of 1.5mm.

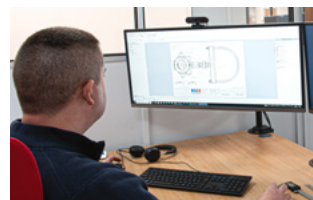
- ▶ Constant wattage and self-regulating designs
- ▶ Hermetically sealed
- ▶ Flying leads or solid pin terminations
- ▶ Thermocouple integration option



Services

H&B Sensors provides a range of pre-sale and post-sale services in addition to our range of UK manufactured products. We support our customers around the world with bespoke design services for temperature and level applications, working closely from concept through to commissioning and operational maintenance. We are proud to have success stories in a wide range of industries, from aerospace and pharmaceutical through to heavy process industry.

- ▶ Bespoke design solutions
- ▶ Customer site surveys and reports
- ▶ Calibration and testing
- ▶ Workshop repair



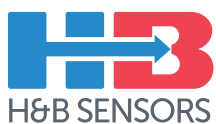
Contact Us

Established in 1978, H&B Sensors is a family owned UK manufacturer of standard and bespoke Temperature and Level measurement solutions.

We pride ourselves on our strong reputation of delivering an admired first class customer service, providing rapid response to enquiries and technical needs, underpinned with market leading lead times and reliable on time delivery.

Whether your requirements are simple or complex, H&B Sensors is here to work with you to provide product and service solutions that will exceed your expectations.

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