

**Reliability and Hygiene Guaranteed**  
Stainless steel sensors and systems



# Reliability and Hygiene Guaranteed

Balluff stainless steel line sets standards

Sensors and systems made of stainless steel offer everything you need to design your production process for safety, stability and hygiene. And perfected fastening and wiring technology in stainless steel guarantees optimal integration.

Optimized for extreme conditions, the Balluff line of stainless steel products is resistant to aggressive cleaning agents and designed to provide the most reliable sealing (IP 67, IP 68 and IP 69K). These products also meet all the specifications and directives for the pharmaceutical and foods industry.

Precisely matched fastening and wiring technology in stainless steel and IP 69K is standard.

**more added value**

- IP 67, IP 68 and IP 69K for reliable sealing
- Resistant to aggressive cleaning agents certified by Ecolab
- FDA-3A inspection of systems in direct contact with the product
- Sensors and systems from a single source



Medical equipment, laboratories



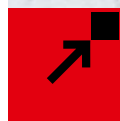
Pharmaceutical industry



Food industry



Beverage industry



## **BES Inductive Sensors** **BOS Photoelectric Sensors** **BMF Magnetic Field Sensors**


Food safe stainless steel housing and certified resistance against aggressive cleaning agents make Balluff sensors the first choice for wet and hygienic processes in the food industry. A reliable sealing due to IP 67, IP 68 and IP 69K and resistance to temperatures of up to 120 °C guarantee maximum quality for an extended service life and process reliability. An extensive range of stainless steel sensors allows for maximum versatility in medical technology applications and the pharmaceutical industry.

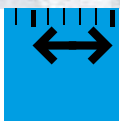
## **BCS Capacitive Sensors** **BUS Ultrasonic Sensors**

The lynchpin of capacitive and ultrasonic sensors are level control and the detection of fluid media.

In addition to classical cylindrical designs, these sensors are also available with a cubical and flat dish shape made from chemically resistant materials and suitable for a wide range of applications. Simply choose the option that's right for you.



FDA- and EHEDG-conformal  




**BTL Micropulse Transducer – Going to great lengths**

Non-contact and wear-free FDA-conformal housing design sets the standard for components such as sensors used for monitoring the fill level of fruit juices, milk or beer that come into direct contact with the product. Simple, rapid parameterization and configuration allow for seamless integration in your control topology. Certified HALT test ensures maximum functional reliability for years.



**BIS Industrial RFID system – for the utmost dependability and maximum transparency**

Use the high-performance BIS industrial RFID systems for 100% data integrity and optimized production processes. The BIS system is capable of sensing through stainless steel panels or covers and is therefore ideal for use in process technology and the food industry.



**Cables, connectors, mounting systems and stainless steel accessories – for seamless integration**

What is the use of manufacturing the best sensors if you do not have a matching stainless steel system for mounting the components or require a connector with a low protection class? Use customized Balluff accessories for maximum integration. High-quality Balluff products are fully compatible throughout the entire range.



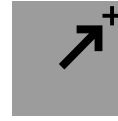
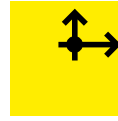
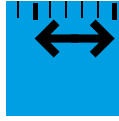
**IP67**

**IP68**  
BWN Pr27  
 BWN Pr20

**IP69K**

**120 °C**  
**High Temperature**

**Stainless Steel**



**Object Detection**

- Inductive sensors
- Sensors for pneumatic cylinders
- Magnetic field sensors
- Capacitive sensors
- Ultrasonic sensors
- Pressure sensors
- Photoelectric sensors
- Fiber optic systems
- Slot sensors
- Optical window sensors
- Light grids
- Contrast sensors
- Luminescence sensors
- Color sensors
- Angle sensors
- Mechanical single and multiple position switches

**Linear Position Sensing**

- Profile series BTL Micropulse® transducers
- Rod-style BTL Micropulse® transducers
- BML magnetic linear encoder systems
- Incremental and absolute encoders
- Inductive linear position sensor
- Inductive distance sensors
- Magneto-inductive position sensors
- Photoelectric distance sensors

**Industrial Identification**

- Industrial RFID systems
- Vision sensors

**Industrial Networking and Connectivity**

- Connectors
- Splitter boxes
- Active splitter boxes
- IO-Link
- Inductive transmission system Remote
- Inductive couplers
- Bus systems
- Wireless
- Electrical devices

**Mechanical Accessories**

- Attachments
- Mounting systems

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