

Solutions for Level Detection

Optimized for your application

High-quality sensors and systems with a variety of effective principles open up wide-ranging applications. The extensive selection of products provides solutions for your specific requirements. Balluff technology has proven its ability in level detection in a wide assortment of industries. This includes in pharmaceuticals, the food and beverage industry, semiconductor technology, hydraulic systems, as well as machine tools.

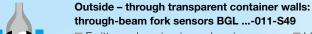
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sensors worldwide

Precisely detecting point levels

Properties

Renefits



- Emitter and receiver in one housing
- Foam compensation
- Application-specific adaptation possible
- Ideal for critical filling processes
- Contact-free, wear-free
- Easy to install





Contact-free – outside the tank: capacitive sensors BCS

- Standard sensors for nonconductive media
- SmartLevel sensors for conductive media
- No contact with the media
- Easy to install
- High application reliability for challenging applications
- Compensates for deposits in the tank





In direct contact - inside the tank: capacitive sensors BCS

- Standard sensors for nonconductive media
- SmartLevel sensors for conductive media
- Ideal for standard applications
- Good price/performance ratio
- Compensates for deposits on the sensor
- Can be installed quickly no adjustments needed





Outside metallic/non-metallic tanks: Micropulse transducers BTL

- For fill levels from just a few millimeters up to 6 m
- Variety of interfaces
- Optional ATEX approval for rod designs
- Simple installation on bypass pipes
- Can be used as an upgrade (note the magnetic float properties)
- Good price/performance ratio
- Also for explosive atmospheres





Outside metallic/non-metallic tanks: ultrasonic sensors BUS Sonar

- Range of 30...1000 mm
- Compensates for foam
- Steel walls up to 3 mm
- For high hygiene standards
- Fast installstion
- Can be used as an upgrade





For any fill level: hydrostatic pressure sensors BSP

- Available with threading and flange
- Pressure range starting from 50 mbar
- Highly linear

- Quick and precise
- Easy to install
- Hygienic solutions possible





Compensates for foam: Micropulse filling level sensors BTL-SF

- Corrosion-free stainless steel 1.4404
- Safe for sterilization (SIP) and cleaning in place (CIP)
- Rugged design that withstands foam
- Very high measuring rate and accuracy
- For fast, precise filling processes
- Internationally certified quality: Ecolab, 3-A Sanitary Standard, FDA
- Easy to install no adjustments needed





Detecting from above in the tank: pressure proof ultrasonic sensors BUS M30E2

- G1" thread, pressure proof up to 6 bar
- PTFE membrane for protection against aggressive media
- Stainless steel housing 1.4571
- Ideal for the high requirements in the food industry
- Non-contact and wear-free
- Resistant to chemicals



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sensors worldwide



Systems and Service



Industrial Networking and Connectivity



Industrial Identification



Object Detection



Linear Position Sensing and Measurement



Condition Monitoring and Fluid Sensors



Accessories

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Please observe the information from the operating manual and data sheet.

Doc. No. 919834/Mat. No. 244129 EN A15; Subject to modification.