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Passion for Sensors



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INNOVATION

CleverLevel[®] LBFI

Stay smart on level with industry applications.



Product overview *CleverLevel*[®] LBFI

| Product highlights | Applications | Process connections | Wetted material | Process conditions |
|--|---|---|--|---|
| Compact level switch Low-invasive Two switching outputs 100 mA current load Bright LED visible from 360° Fast response time No vibrating parts | Max. / min. level control Overfill protection Leakage detection Separating layer detection Dry running protection for pumps | G1/2 A ISO 228-1 BIC 1/2-14 NPT G1/2 A hygienic | PEEK AISI 316L (1.4404) | -40 ... +115 °C 10 bar max. +135 °C max. 5 bar max. (t < 1 h) |
| Housing | Compliance / approvals | Electrical connections and output signals | Interfaces | Detectable media |
| Stainless steel 1.4404 IP 67 IP 69K | cULus ATEX | M12-A, 4-pin in polycarbonate or stainless steel PNP NPN Digital (push-pull) | IO-Link 1.1 FlexProgrammer 9701 <i>qTeach</i> [®] | Oil-based media Aqueous media Powder and granules Pastes of all kinds Foamy media |

CleverLevel[®] LBFI switch.

LBFI is a versatile level switch based on frequency sweep technology. Thanks to the specialized design and high-end materials such as stainless steel and PEEK, the sensor meets the highest standards in demanding industry applications. The short immersion length has almost no effect on the process.

Your benefits

- The parameters can be adapted centrally and quickly via IO-Link in case of frequent media changes. That saves time and increases plant availability.
- Two switching outputs enable configuration of two trigger thresholds. This allows for two media or process steps – for example suspension of oil in water – being reliably monitored with a single sensor. Antivalent switching points will reliably reveal any sensor defect or wire breaks.
- ATEX approvals for gas and dust enable use in all zones.
- The convenient *qTeach*[®] feature provides significant benefits in facilities with less sophisticated master controls. A touch with any ferromagnetic tool is all that's necessary for sensor configuration, which allows for immediate on-site adaptation to quickly changing process requirements.



CleverLevel[®] LBFI meets the most important industrial requirements.



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