

CleverLevel[®] LBF1

Stay smart on level with industry applications.



Product overview *CleverLevel*[®] LBFI

Features	Industries	Process connections	Wetted materials	Process conditions
Compact level switch Low-invasive Two switching outputs 100 mA current load Bright LED visible through 360° Fast response time No vibrating parts	Mechanical engineering Special machinery engineering Water and wastewater treatment Printing industry Hydraulics Packaging industry	G1/2 A, ISO 228/1 BCID: G70 1/2-14 NPT, ANSI/ASME B1.20.1 BCID: N20 G1/2A hygienic BCID: A03	PEEK 1.4404	-40 ... +115 °C 10 bar max. +135 °C max. 5 bar max. (t < 1 h)

Housing	Compliance/approvals	Electrical connection and output signal	Interfaces	Product-specific information
Stainless steel 1.4404 IP 67 IP 69K	cULus	M12, 4 Pin, Polycarbonat PNP NPN Digital (push-pull)	<i>qTeach</i> [®] FlexProgrammer 9701	Default settings Customized configuration

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. Not integrating any vibrating parts, LBFI is not affected by changing media or process parameters.



Your benefits

- Compared to conventional vibrating forks, the small sensing tip does not provide surface for any deposits to adhere. This ensures continuous operation without interruption and maintenance.
- 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.
- The multicolor LED visible from all around acts as switching state indicator for convenient process control.
- The convenient *qTeach*[®] feature provides significant benefits in small-sized facilities and less sophisticated master controls. A touch with any ferromagnetic tool will do for sensor configuration, which allows for immediate on-site adaptation to quickly changing process requirements

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



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 Passion for Sensors

For more information about our *CleverLevel*[®] LBFI sensors go to www.baumer.com/CleverLevel

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