



Safe without a float

LI level sensor for point level and leakage monitoring

- Approved as overflow prevention and leakage sensor to the German Federal Water Act (WHG)
- Maintenance-free as there are no moving parts
- Adjustment and setting via inductive teach button
- 2 switching outputs can be defined at the measuring point
- Adjustable to different media (e.g. water, oil, cooling lubricants)



IP69K



ifm – close to you!

Probe length [mm]	With WHG approval Order no.	Without WHG approval Order no.
132	LI2131	LI5131
273	LI2132	LI5132
481	LI2133	LI5133
737	–	LI5134

Smart alternative for float switches

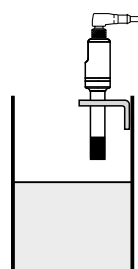
With the LI level sensor, you can reliably detect leakages and point levels on a permanent basis. The capacitive measuring system has no moving parts. Malfunction or maintenance measures due to deposits on the mechanical parts is therefore eliminated. Thanks to the WHG approval, you can also comply with the legal requirements in the environment of substances that are hazardous to water.

Easy set-up, digital communication

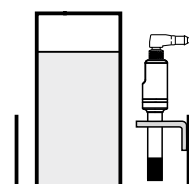
The sensors are factory-set for specific media (LI21xx: oils, LI51xx: aqueous media), so they can be easily put into operation via plug & play. Thanks to the teach button and IO-Link, the sensor can be adjusted to other media just as easily. Another advantage: the sensor also detects the temperature of the medium. This is transmitted via IO-Link, but can also be assigned to one of the two switching outputs.

Technical data		
Output function		2 switching outputs: 1 x temperature, 1 x level or 2 x level, depending on the damping (e.g. water/oil)
Operating voltage	[V DC]	9.6...35 (IO-Link: 18...30)
Medium temperature water / oil	[°C]	-25...85
Process connection	[mm]	Ø 16
Tank pressure	[bar]	0.5
Protection rating		IP69K

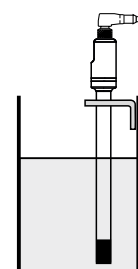
Application examples:



Overflow prevention in a supply tank for coolant emulsion



Leakage monitoring in the overflow vessel of a hydraulic power pack



Underflow prevention in a supply tank for coolant emulsion

BEST FRIENDS



moneo|configureSA

Software for parameter setting of the IO-Link infrastructure



IO-Link interface

For parameter setting of IO-Link devices on the PC



IO-Link data splitter

Transmits IO-Link sensor data to IT level and PLC



For further technical details, please visit:
ifm.com/fs/LI2131