

Level sensor LI

Simple and reliable point level switch with IO-Link



Capacitive point level switch LI



Better without a float:

Level detection and identification of leakages.

The LI513 measures media such as oil and water without using any moving parts. Reliable and maintenance-free. Build-up which causes mechanical sensors to stick has no detrimental effect. The same applies to water temperatures of up to 85°C. Talking about temperature: thanks to the second switching output this measurement value can easily be used for process control in addition to level measurement. Alternatively, it is possible to monitor the level of two different media. If you want to, you can drop the LI into cold (or hot) water. The factory setting makes it possible. Everything else the sensor is taught instantly using the inductive teach button or IO-Link parameter-setting.

Not to forget: the versions of the LI213x series are approved in accordance with the German Federal Water Act (WHG).

You would like to discover more? You can visit ifm.com/gb/LI513

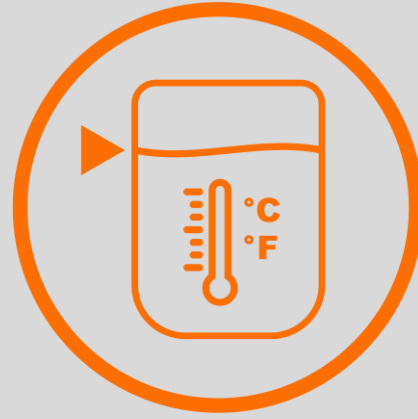


Why use point level sensor LI?



Maintenance-free

No maintenance is required as the sensor has no moveable parts.



Monitor level and temperature

One sensor with two measurement values and two switching outputs.



Plug & Play

Immediately ready for use – in water-based media or oils, depending on the design.



Two different media

Reliable product recognition. Differentiation between oil and water.



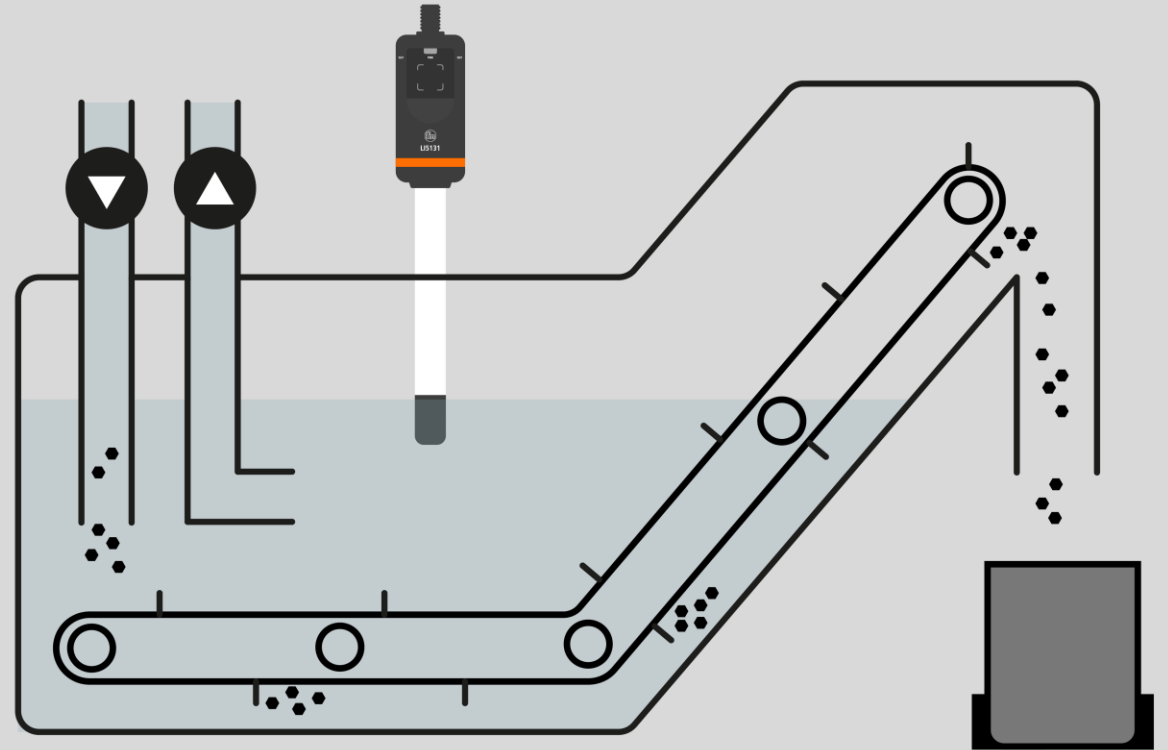
Point level monitoring of coolants

Application

- Simple and reliable point level monitoring, e.g. for overspill protection.

Benefits

- Reliable monitoring due to capacitive measurement technology.
- Simple to set using the integrated inductive button or software, e.g. moneo
- Temperature and level monitoring for increased transparency in your application.
- Monitors over a large temperature range.



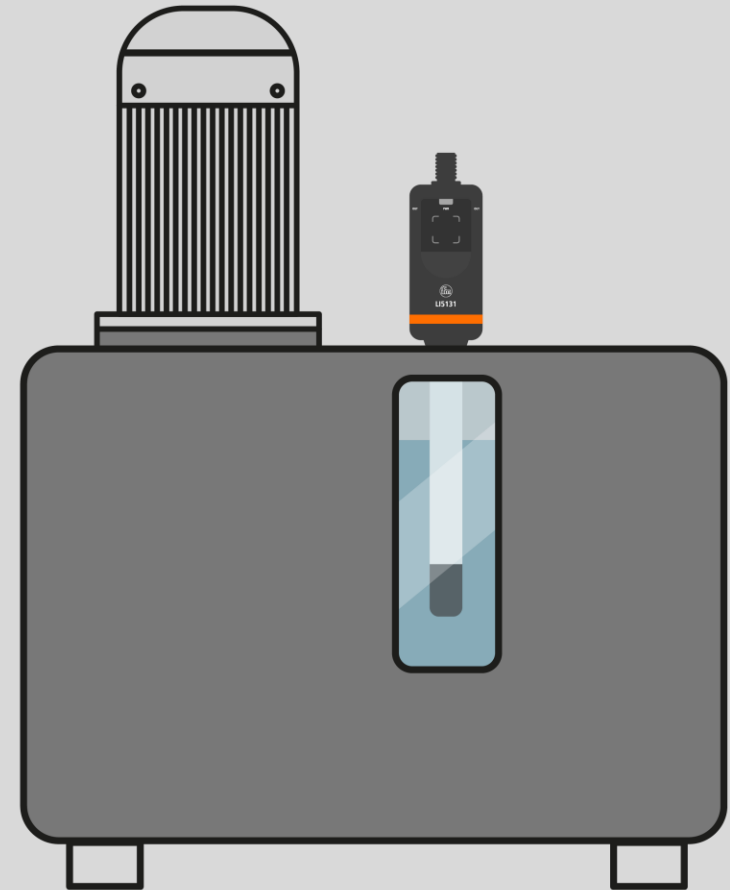
Point level monitoring of hydraulic oil

Application

- Simple and reliable point level monitoring of hydraulic oil.

Benefits

- Temperature and level monitoring for increased transparency in your application.
- Reliable monitoring thanks to capacitive measuring technology.
- No moving parts - minimum maintenance requirement.
- Clearly visible indication of the switching status.



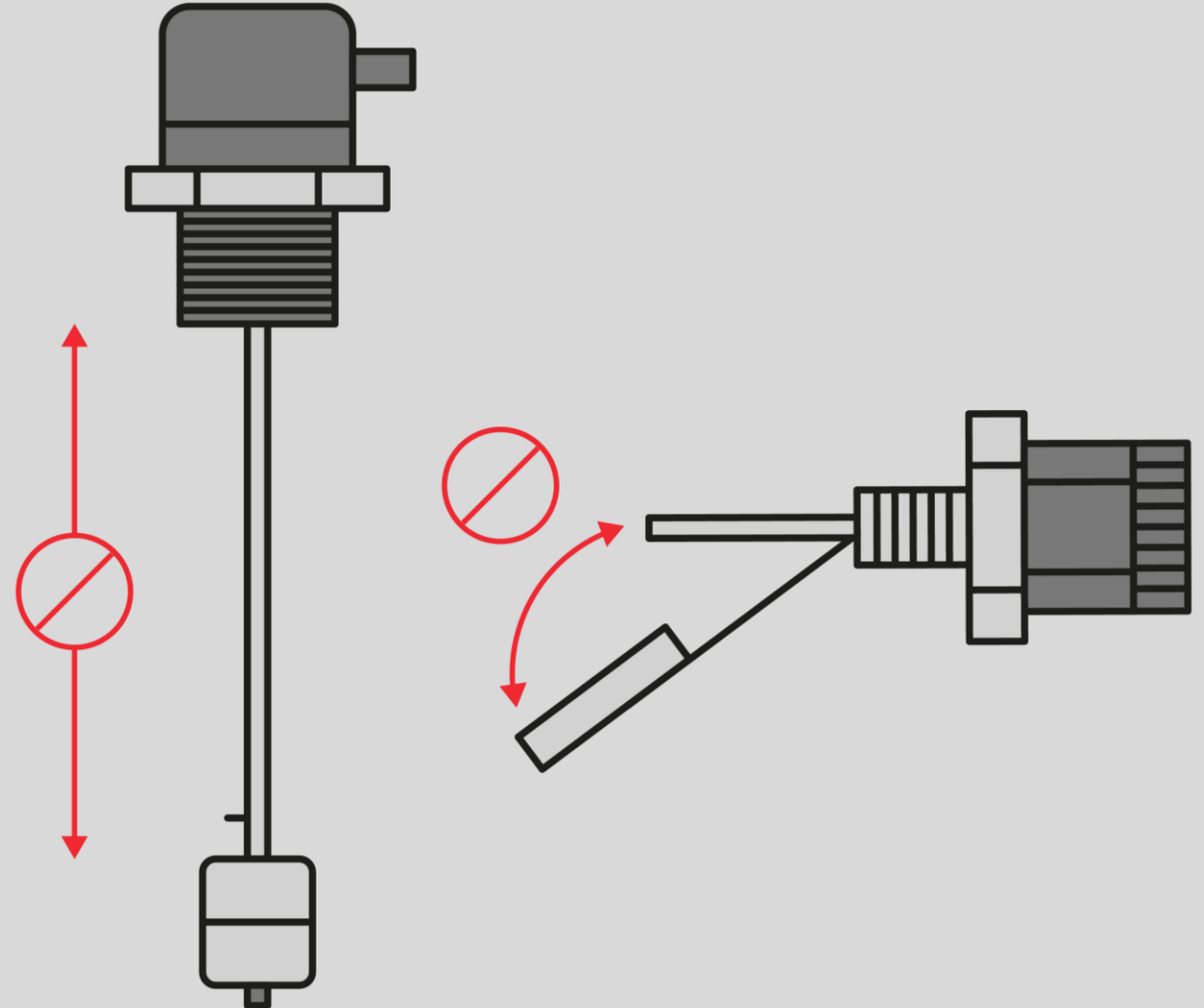
Replacing floats

Benefits

- No moveable parts:
 - no sticking or jamming
 - time and effort for maintenance is reduced
 - increased plant availability
- Still functions when dirt and/or foam are present.
- Flexible mounting position.

The LI is available in four different lengths:

- 132 mm
- 273 mm
- 481 mm
- 737 mm



Good to know

Added-value due to IO-Link



Plug & Play thanks to digital communication

The basic settings on delivery are suitable for use in water and oil, depending on the design. In corresponding media, the installation can be carried out via Plug & Play. In addition, the sensor can be adapted as required via IO-Link.



One sensor – two measuring parameters

In addition to capacitive level measurement, temperature is also possible using IO-Link.



Transparent processes

Medium changes are accurately recorded, allowing early maintenance measures to be taken.

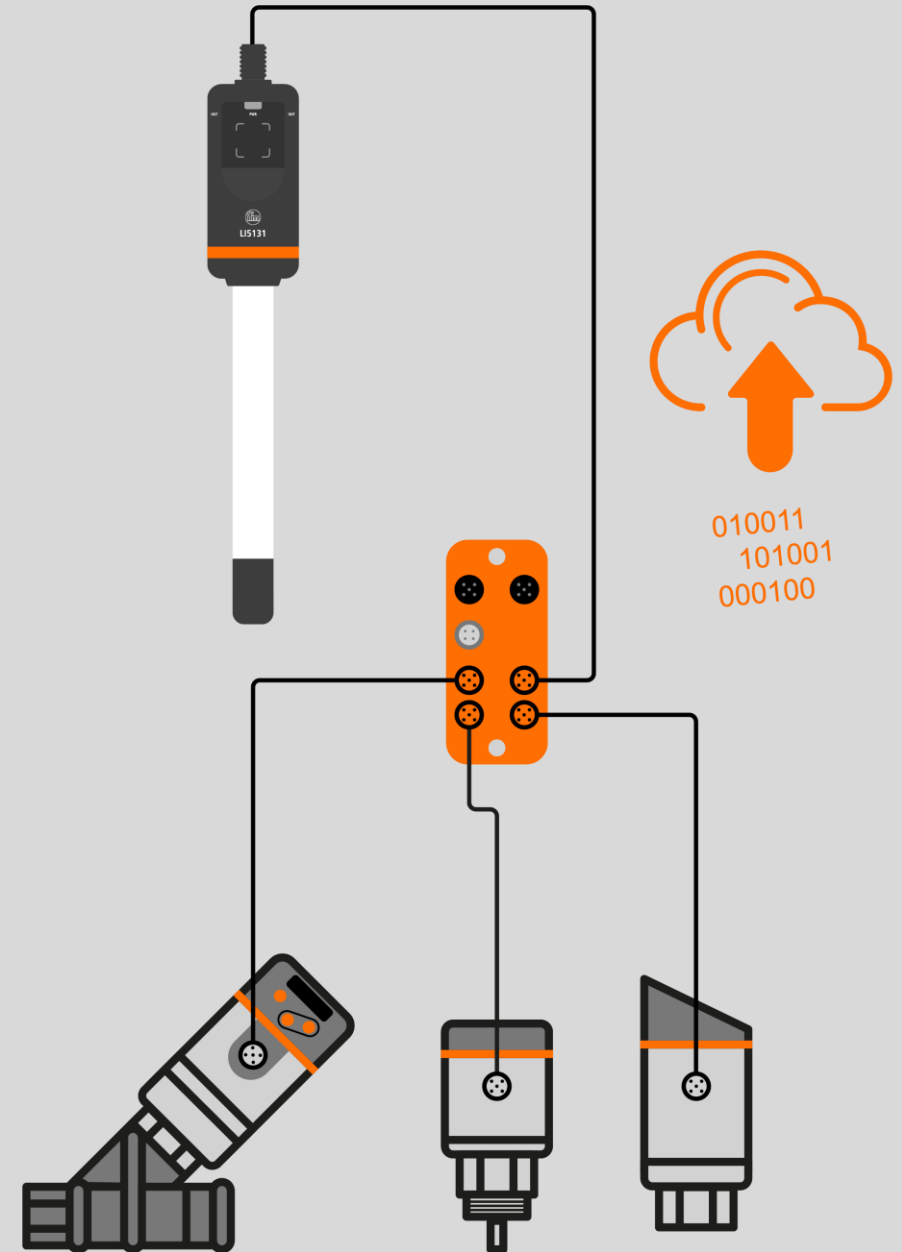


Flexible settings

Switching outputs can be freely configured.



Level sensor LI
Product presentation



Level sensor LI

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