

# LDL 100

Conductive conductivity sensor  
for hygienic applications



Product presentation

## Product description

# Conductive Conductivity sensor LDL100



### Small in size but big in phase shift!

ifm's new conductive conductivity sensor is in a class of its own. In no time at all the LDL100 can differentiate between different media such as washing fluids, rinse water and the product itself. And due to the sensor's compact design it is also suitable for mounting in pipes with small diameters without any additional effort.

Your benefit: Extremely efficient control of CIP-processes – which also means higher machine availability.

And there is more to come. LDL100 is an out-of-the-box solution. Just plug & play. If individual parameters are required then it's child's play using IO-Link. The sensor's digital connection provides loss-free data. And with a clear conscience you can save the costs for an additional electronics and screened cable.

Would you like discover more? You can. See [www.ifm.com/gb/ldl100](http://www.ifm.com/gb/ldl100)



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# Product advantages

## Why LDL100?



### Availability

Short delivery times.  
No charge factory certificate  
as download.



### Quality

Resistant to temperature and  
vibrations due to robust and  
compact design. 5 year warranty.



### Performance

High resolution over the  
total measuring range due  
to IO-Link.



### Product portfolio for the food industry

All process sensors from one  
supplier e.g. for CIP systems.

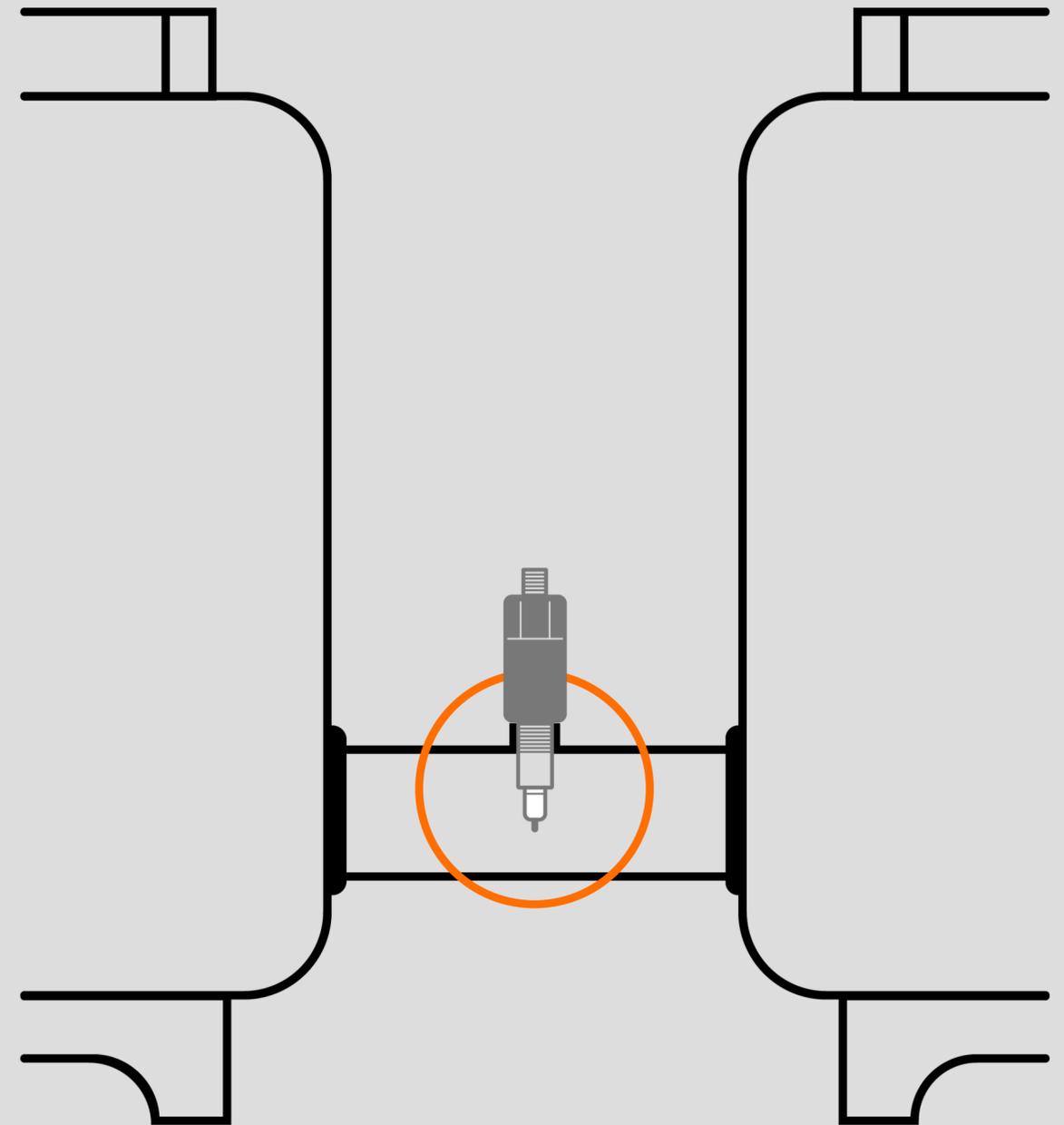


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Application overview

# Typical cleaning process in the food industry

**Target:** To differentiate between product and rinsing water by monitoring the conductivity.



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# Application overview

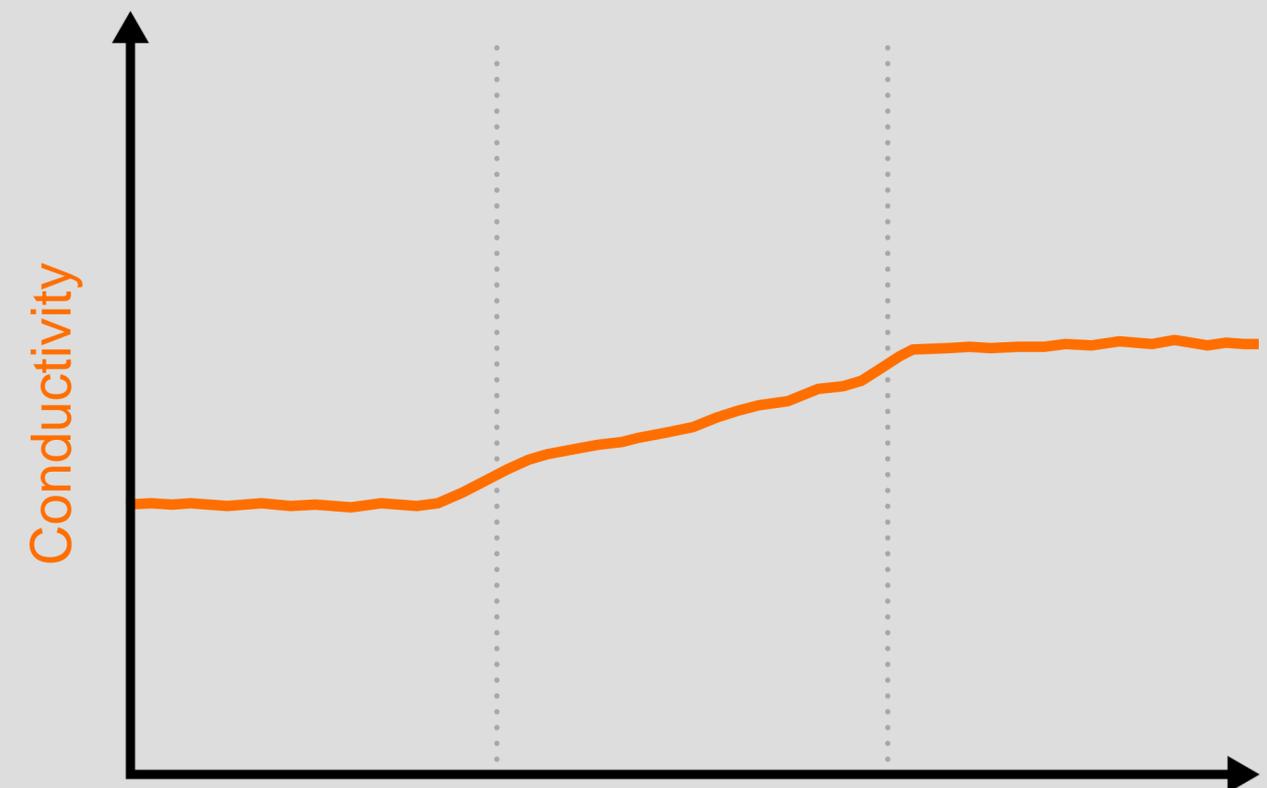
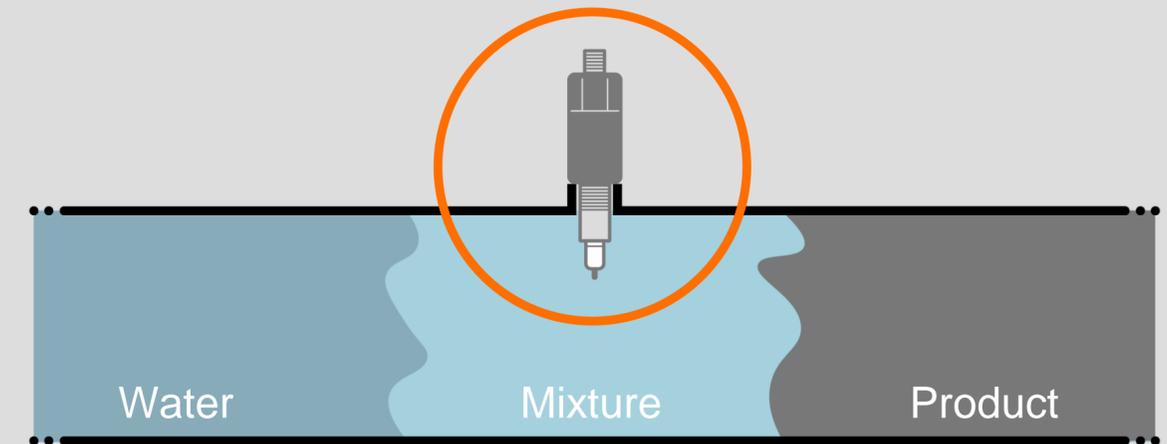
## Typical cleaning process

### Application

- Target: Exact differentiation between the product and the rinsing water
- Cleaning process: Water flushes the product out of the pipe
- The conductivity sensor monitors the interface between media with different conductivity

### Advantages

- Less spoilt product and rinsing water
- Process validation



Good to know

# Added value thanks IO-Link



## Loss-free signal transmission

Digital transfer of conductivity and temperature values



## Plug & Play

Easy to implement using automatic parameters



## Transparent process

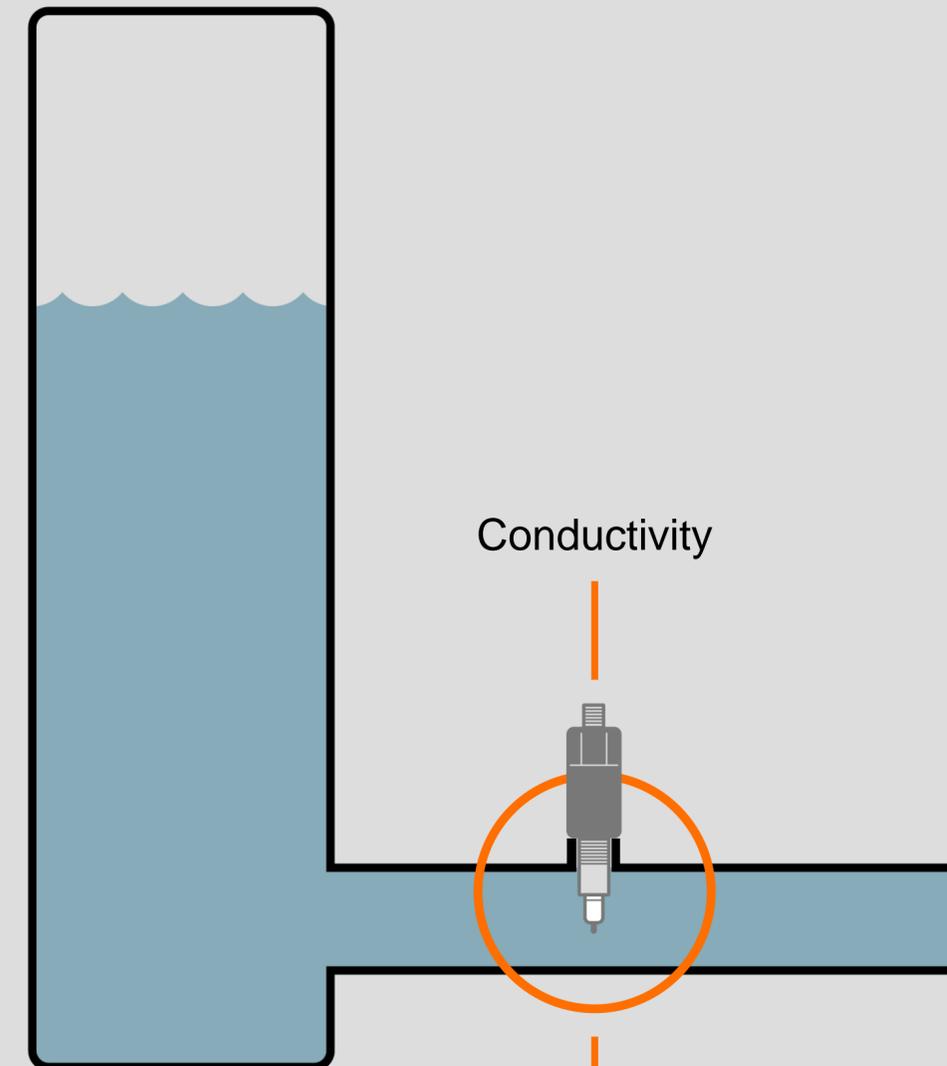
Internal history memory function



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Temperature

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