

KQ10

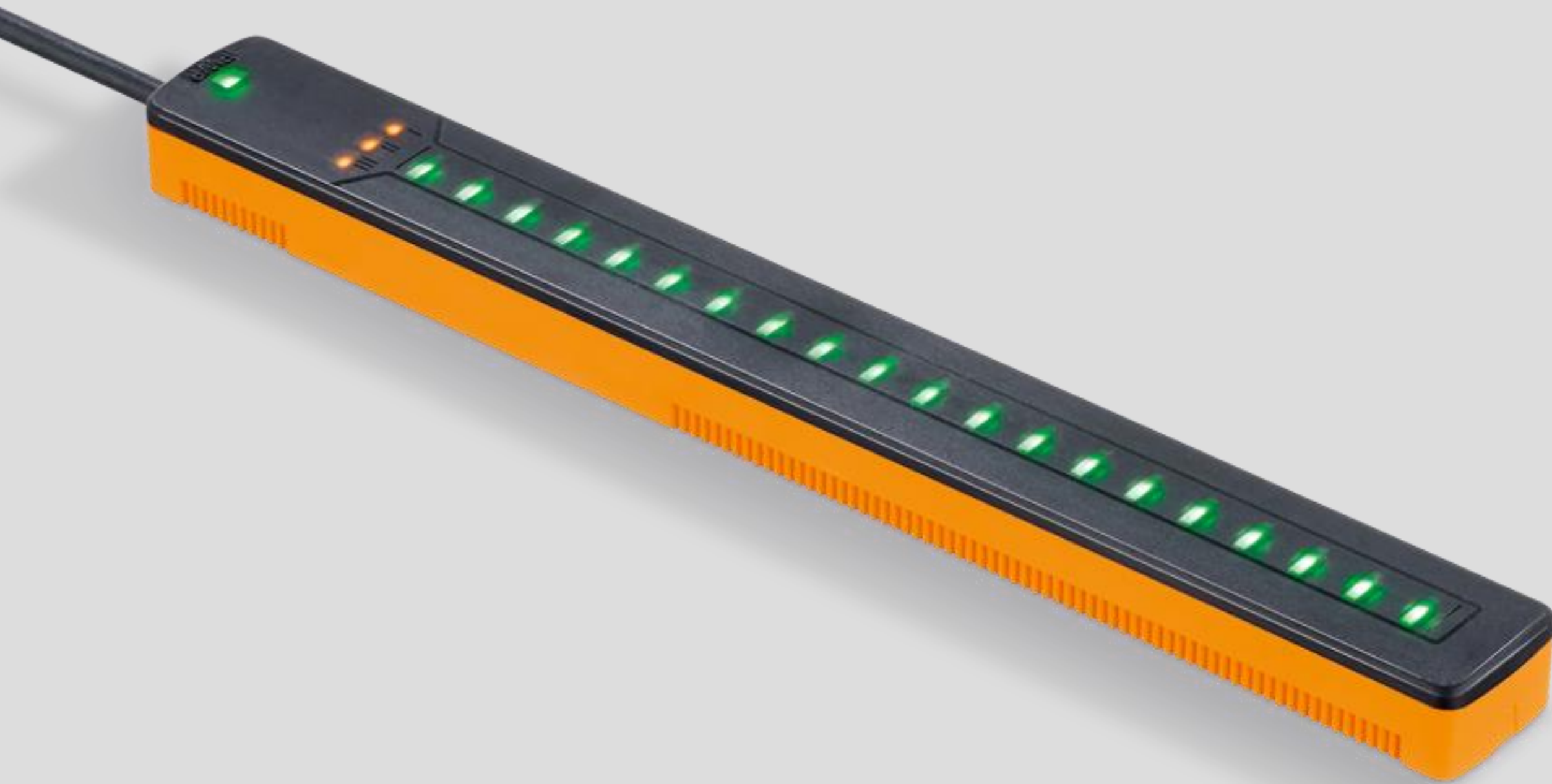
Continuous level monitoring



Product presentation

Product description

Capacitive sensor – KQ10



For level monitoring!

Already heard? ifm now offers the new KQ10 – the capacitive sensor for continuous range monitoring that can see through all non-conductive walls, thus allowing non-contact, maintenance-free detection of bulk materials or liquids.

The KQ10 can monitor up to three point levels and as you know three sensors would normally be needed for this. By the way: Switch points and other functions can be set via IO-Link. One example is the useful diagnostic function of build-up monitoring. This function prevents machine downtime and production losses.

You see there are enough reasons to get to know the new KQ10. Just order it at ifm.com/de/en/kq10



KQ10

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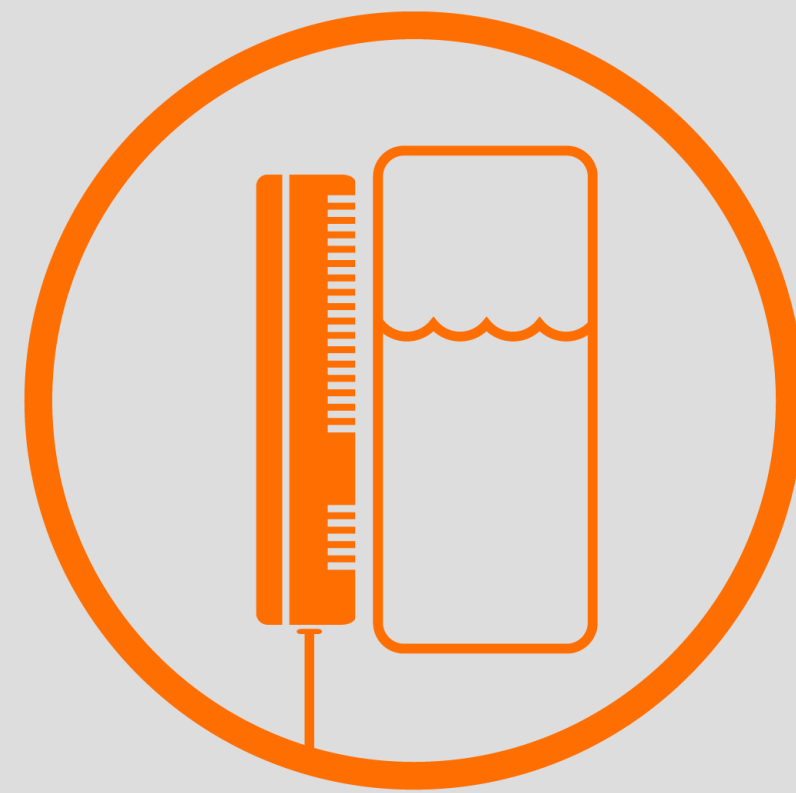
Product advantages

Why KQ10?



Several point level sensors in one housing

Much less mounting and wiring complexity despite a larger detection range



Measure outside the tank

No stress by the medium and no intervention or hole in the tank



Continuous monitoring

Precisely plan follow-up processes and quickly react to changes such as build-up



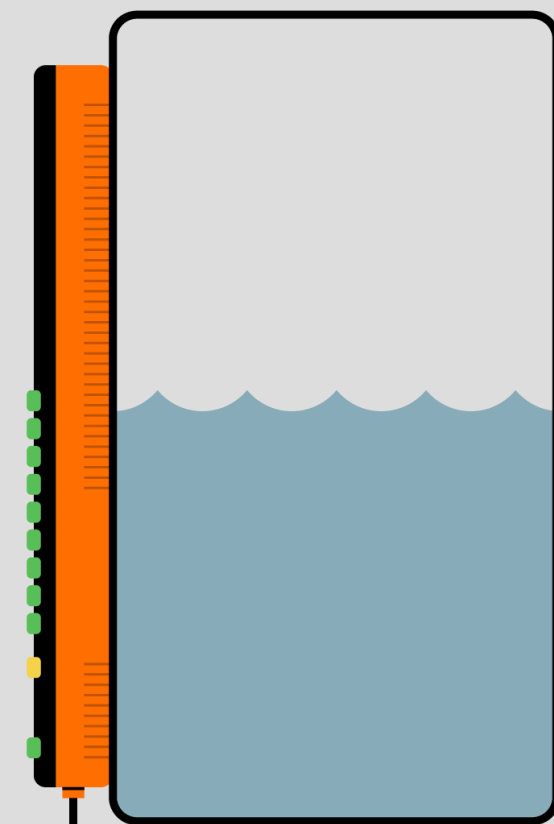
Independent of the medium

Simply set the sensor to different media

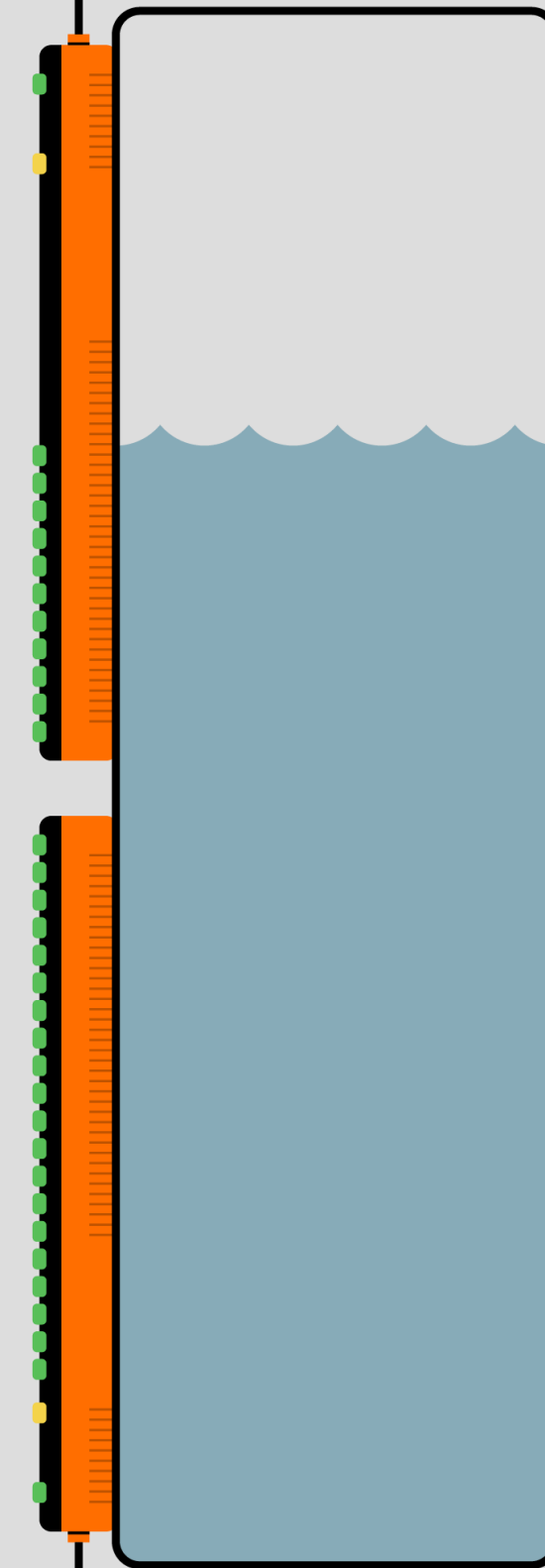


Application overview

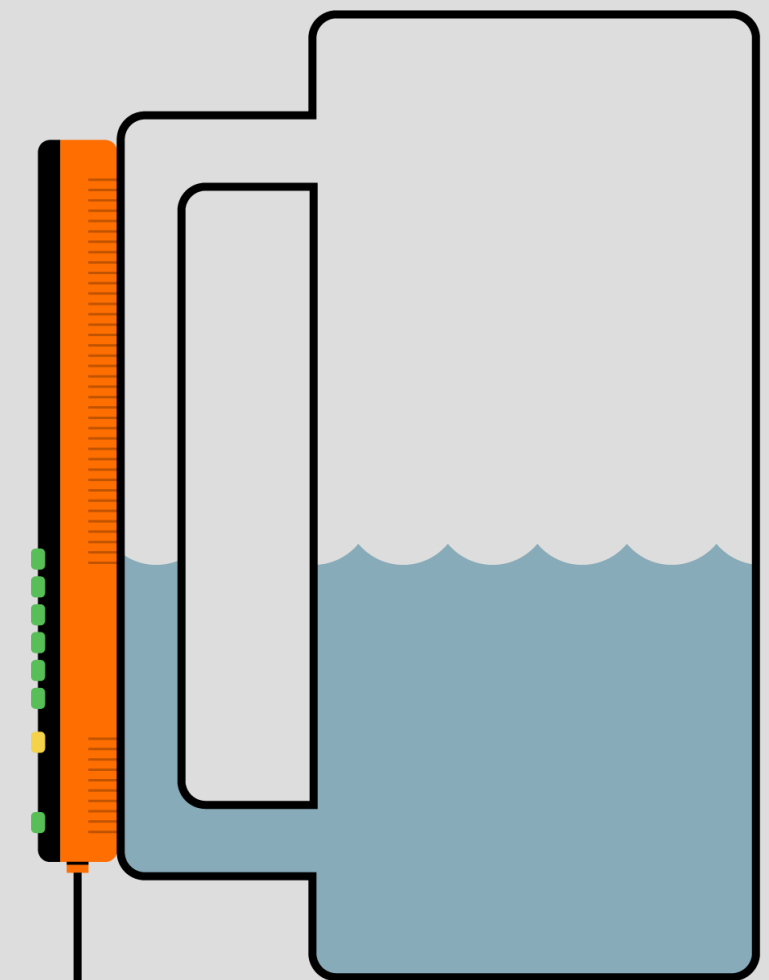
Continuous level monitoring



Small tanks



Large tanks



Bypasses / pipes



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Applications

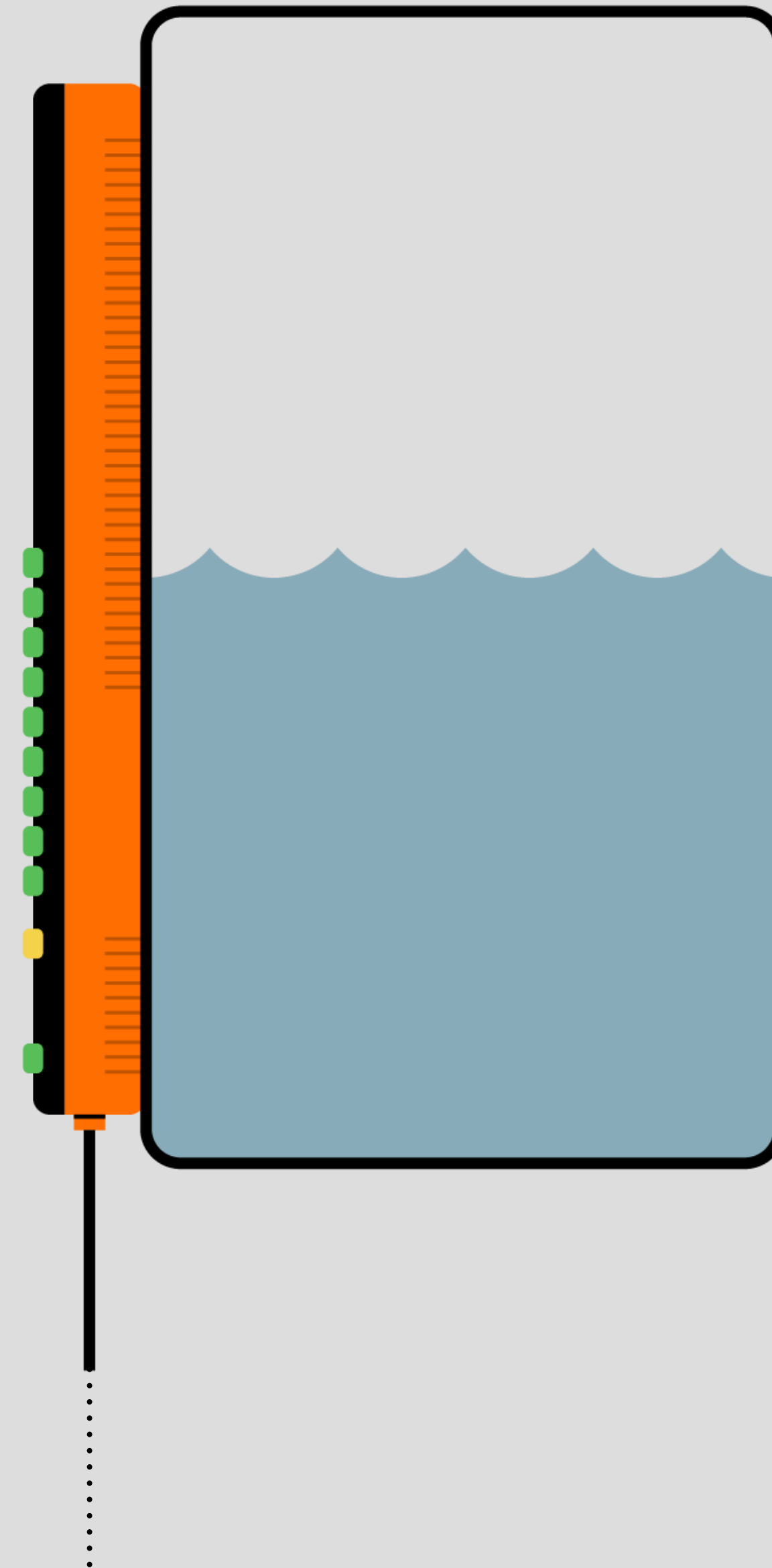
Small tanks

Industry

- Printers (glass, ceramics, 3D etc.)
- Plastics processing

Advantages

- No mechanical or chemical stress by the medium
- Exact level measurement along the whole sensor length
- No hole in the tank
- Predictive calculation – how much can I still produce?



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Applications

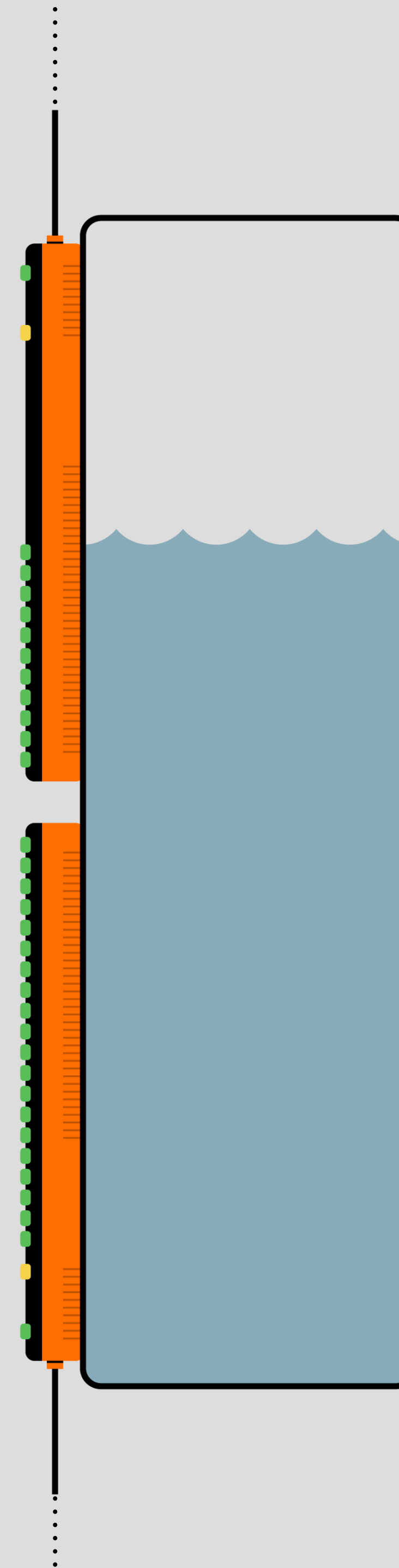
Large tanks

Medium

- Liquids
- Granulates

Advantages

- Independent of the tank size
- Several sensors can be linked via IO-Link
- One KQ10 replaces several point level sensors for empty and overflow monitoring
- Increasing build-up is reliably detected and signalled



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Applications

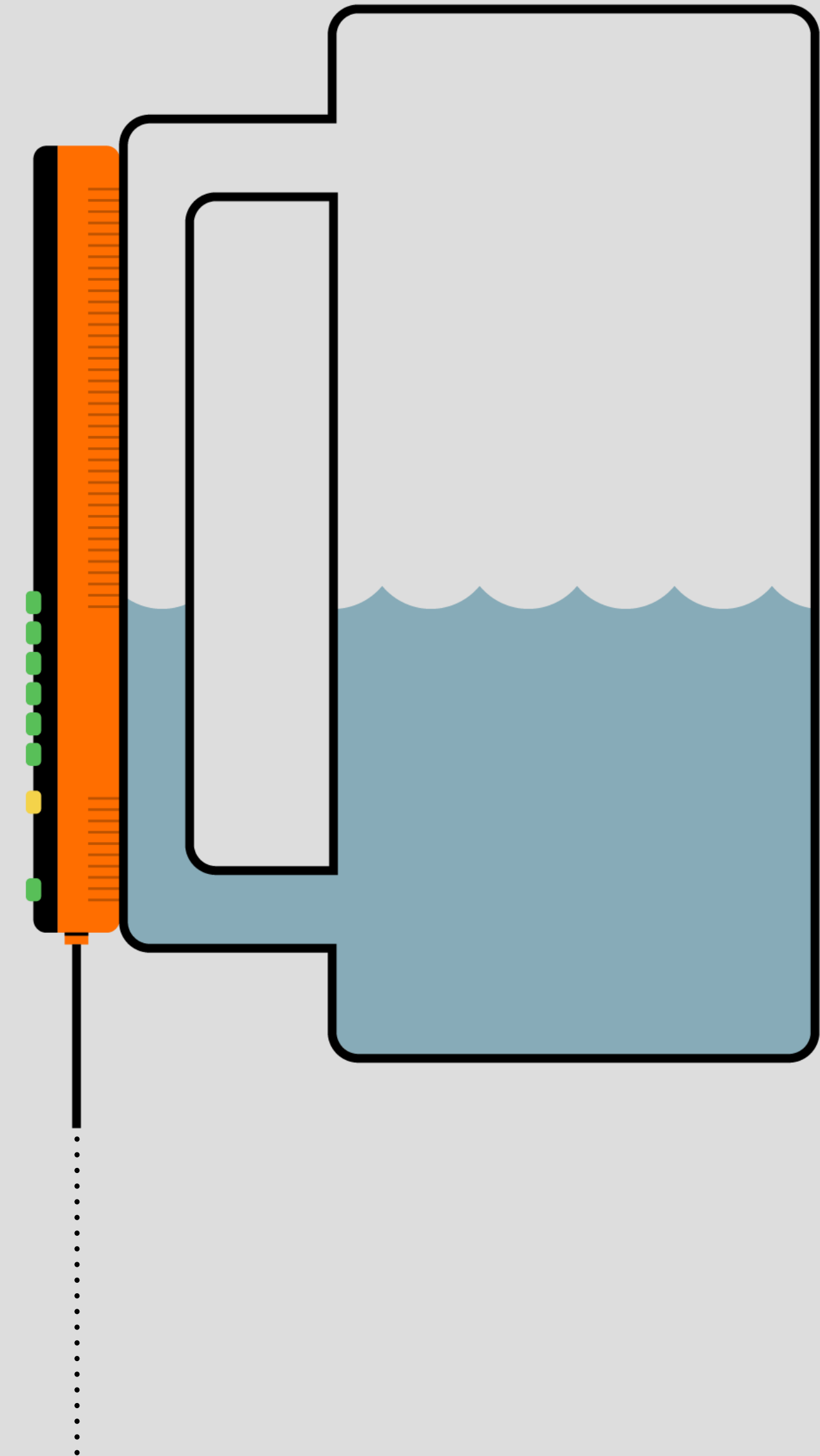
Bypasses / pipes

Medium

- Liquids
- Granulates

Advantages

- Simple mounting at bypasses
- Continuous monitoring even at very narrow pipes from a diameter of 10 mm
- Clearly visible LEDs indicate the level even at non-transparent pipes



Good to know

Added value thanks to IO-Link



Increase product and process quality

Quality control starts as early as in the production process



Minimise downtimes

Plan maintenance more precisely and increase plant efficiency



Make processes transparent

Measured values become intelligent data



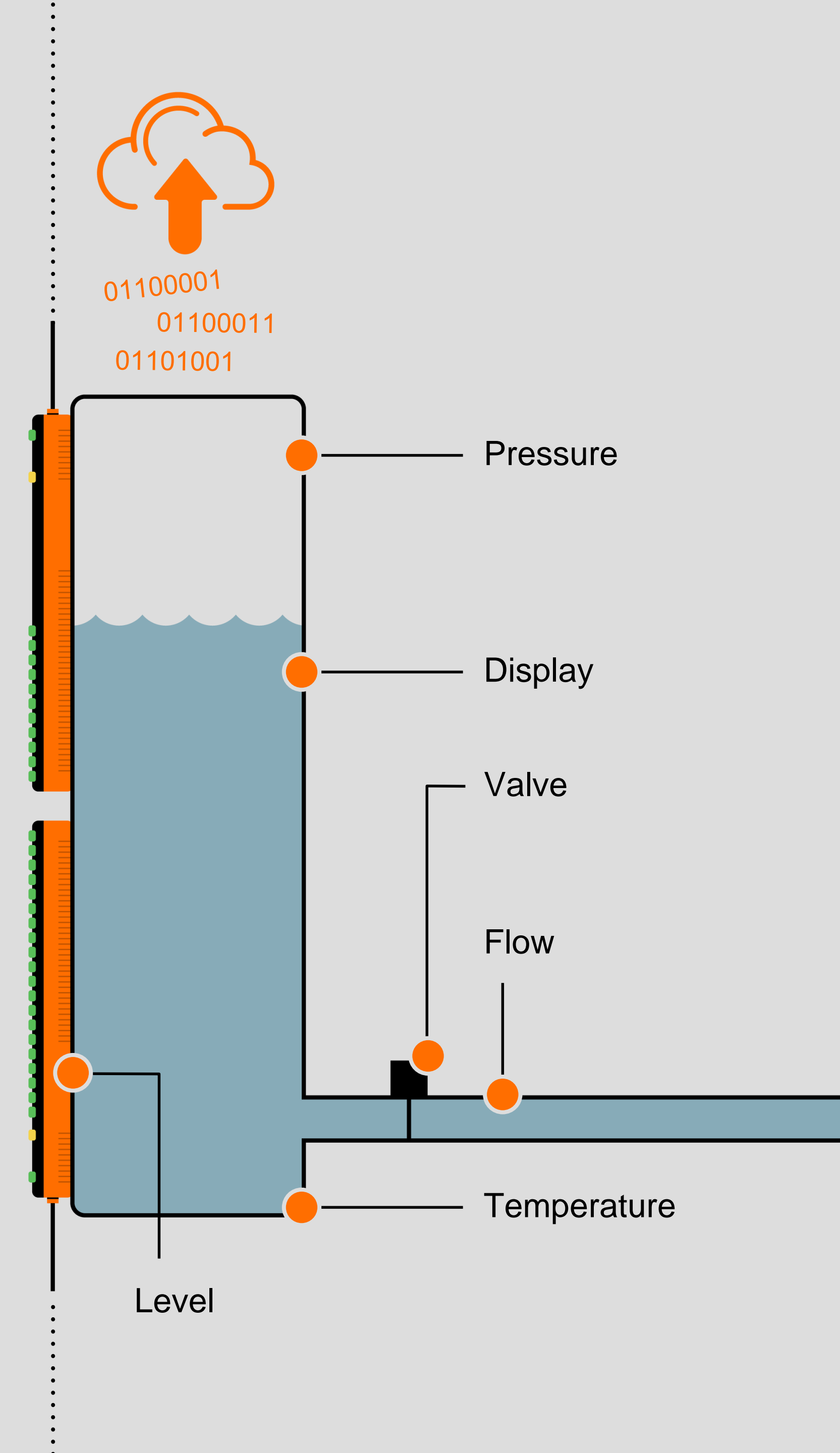
Increase flexibility

Adaptability of the process for different media and formulations



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