KQ10

Continuous level monitoring

Product presentation
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
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
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?
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
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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