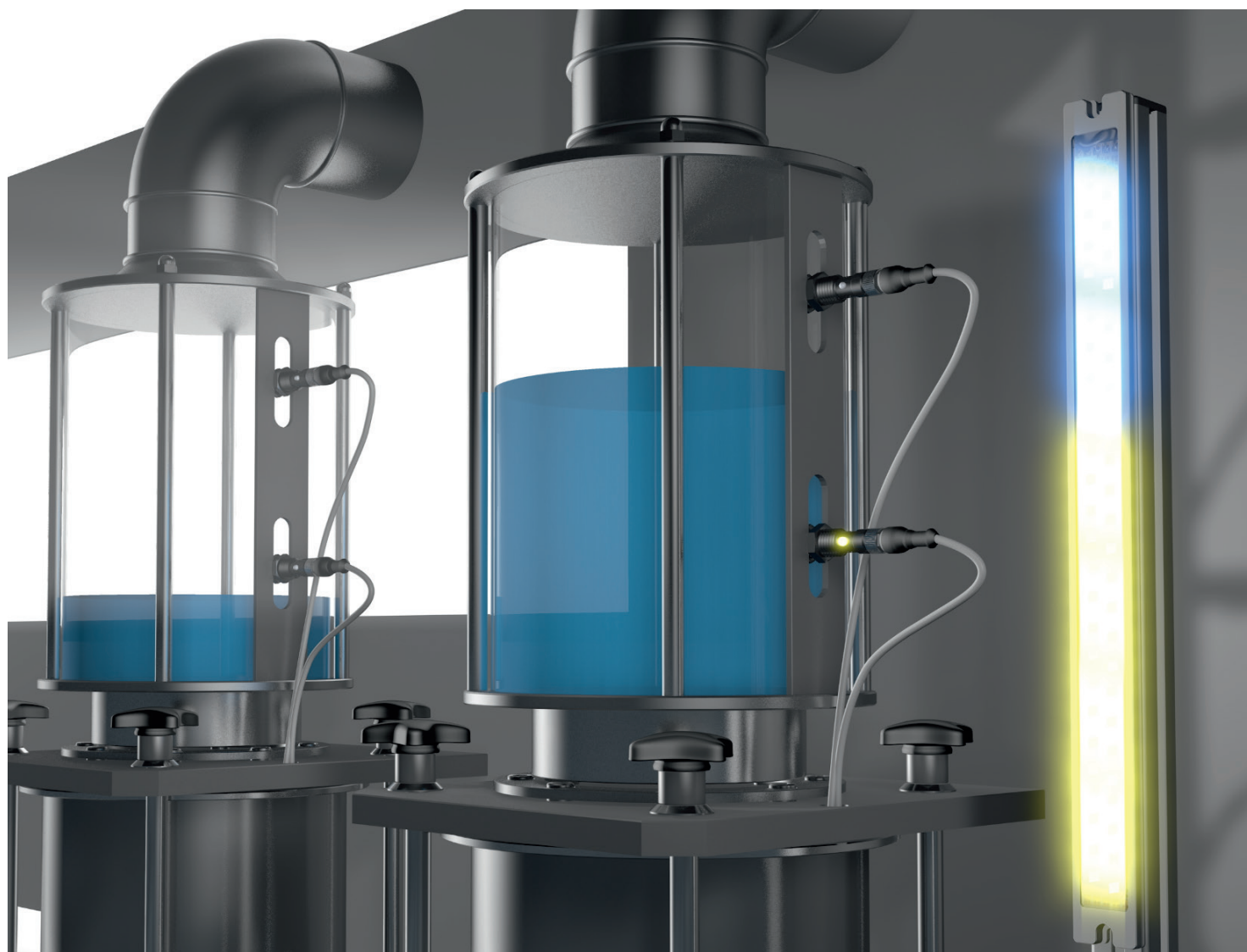




LEVEL UP

RELIABLE LEVEL MEASUREMENT
WITH PRECISE SENSORS AND
INTELLIGENT SIGNALING

 **di-soric**

LEVEL UP YOUR PROCESS

Whether liquids, powders, or abrasive plastic granules: With a broad portfolio of level sensors and a variety of technologies, you'll find the optimal solution for virtually any application.

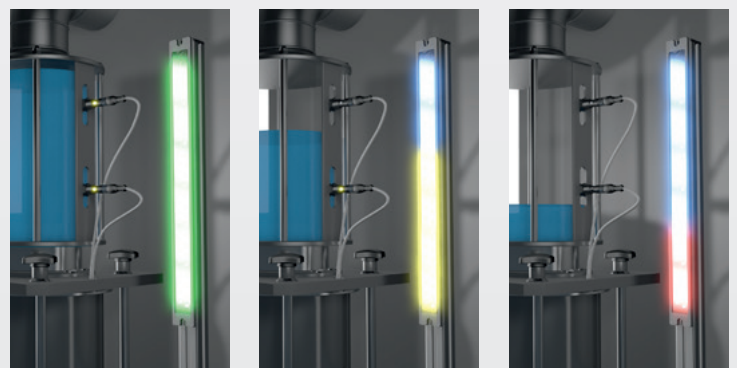
From capacitive and inductive to optical and ultrasonic sensors—our technologies ensure reliable detection, maximum process reliability, and efficient operations—even under demanding conditions.



LEVEL UP YOUR CONTROL

Our signal lights make fill levels visible at a glance and provide clear guidance right at the machine.

Whether it's a refill requirement, operating status, or process message: The highly visible status indicator ensures maximum transparency and supports efficient operations.



YOUR APPLICATION. OUR SENSOR EXPERTISE.

Which sensor principle is the right one?

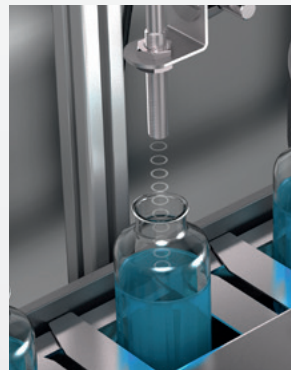
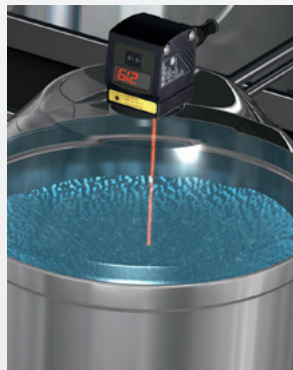
Whether inductive, optical, ultrasonic, or capacitive sensors—each measurement method has its strengths. The optimal solution depends on the medium, tank geometry, environmental conditions, and the requirements of your application. We'll help you select the right sensor principle for reliable and cost-effective level measurement.

Inductive sensors from the IF series are ideally suited for vibratory feeders, vibrating conveyors, and hopper systems. They feature a rugged design with a flexibly mounted pendulum measuring 100 to 300 mm in length, ensuring reliable performance in demanding applications.

Optical sensors provide reliable level monitoring up to 10,000 mm, even with granular materials. The LAT-45 series distance sensors measure fill levels without contact and provide an analog output signal. For switching applications up to 1,000 mm, the compact O-34 series diffuse reflective sensors feature a rugged stainless steel housing (IP69K / ECOLAB) and are available with up to two switching outputs.

Ultrasonic sensors detect liquids, bulk materials, powders, and granules noncontact and with high precision. They can be used to monitor both threshold levels and continuously measure fill levels from 0 to 6,000 mm. Signals can be output as switching signals, analog signals, or digital signals via IO-Link.

Capacitive sensors accurately detect liquid, powdered, and solid materials—even through container walls or packaging. Sizes ranging from Ø 6.5 to M32 are suitable for high-precision applications. The durable KNS Extended M32 sensors are the ideal solution for transporting, dosing, mixing, and drying granules.



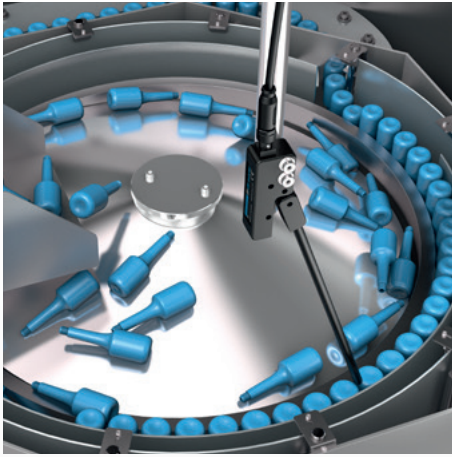
**Rely on intelligent level monitoring that adapts to your needs—
for efficient operations, reduced downtime, and maximum transparency
in your processes.**

Do you have any questions about our product solutions, or a specific need that needs to be addressed?



Go to Level Measurement page:

- Scan the code
- Learn more
- Contact us



Monitoring the vibration pot fill level

The IF inductive level sensor is installed in a vibrating hopper and monitors the level of the material being conveyed. When the material reaches the defined height, the sensor is activated via a plastic rod and automatically stops the filling process.

Inductive level sensor/pendulum switch
IF-100K/K-B02PS-T3



Detection of the granulate level in the hopper

The IF inductive level sensor monitors the fill level of a plastic pellet hopper. If the fill level rises to the preset value, the sensor rod activates the inductive sensor and automatically stops the filling process. If the fill level drops, the sensor rod returns to its initial position.

Inductive level sensor/pendulum switch
IF-300K/K-B02PS-T3



Level detection for granules

The LAT-45 optical distance sensor measures granulate fill levels with precision and reliability. When the level falls below the target fill level, the refilling process starts automatically. An analog output or IO-Link enables continuous fill level monitoring. With operating temperatures up to +60 °C, it is ideal for use on injection molding machines.

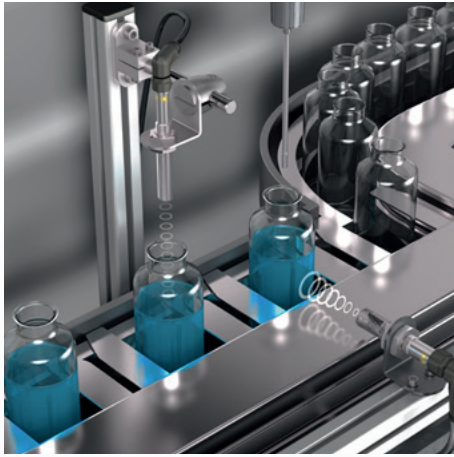
Optical distance sensor
LAT45-10MIU-B5



Level monitoring in a filling machine

In food filling machines, the O34 optical sensors reliably monitor fill levels up to 1000 mm—even with granular bulk materials. The stainless steel housing (IP69K, ECOLAB) is ideal for hygienic applications. Easy adjustment via a potentiometer or flexibly using window mode and two switching outputs via IO-Link.

Retroreflective diffuse sensor
OH34-LIMN-PT-G3-T4



Level control in filling and dosing systems

Ultrasonic sensors in a compact M8 design reliably detect the fill level of small bottles—even through narrow bottle necks. Reference values and tolerances can be flexibly adjusted via IO-Link. An M12 ultrasonic sensor also checks for proper bottle positioning.

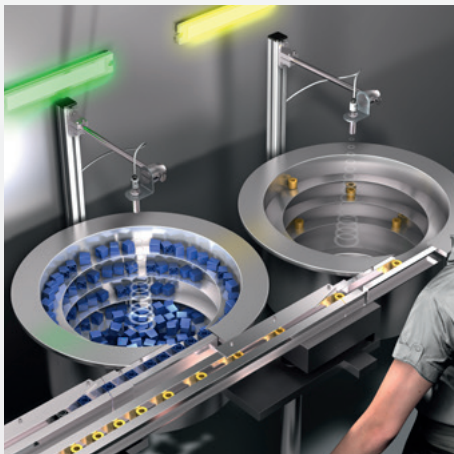
Ultrasonic sensors
US 08 M 100 G3-T4



Level control in hoppers for step conveyors

The US Q12 ultrasonic sensor reliably detects even shiny parts such as nuts and screws. If the level falls below the set target fill level, material replenishment starts automatically. The narrow sound beam ensures maximum operational reliability.

Ultrasonic sensor
US Q12 M 400 XP G3-T4



Fill level control and signaling for circular conveyors

The US M18 ultrasonic sensor, together with the SB-RGB signal light, enables reliable fill-level monitoring in large vibratory conveyors. It can also detect shiny and transparent components. The switching point is set in mm via IO-Link. When the fill level is low, the signal light indicates the need for refilling.

Ultrasonic sensors & signal lighting
US 18 M 800 G3-B4 & SB-RGB



Granule monitoring in injection molding

In plastic injection molding machines, capacitive proximity sensors reliably monitor granules levels. The robust sensing surface of the KNS Extended M32 can withstand even glass-fiber-reinforced, abrasive plastic granules, allowing it to be used without additional protective devices.

Capacitive proximity sensors
KNS-M32/74V-B16G3-B4

SOLUTIONS. CLEVER. PRACTICAL.

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