PRODUCT INFORMATION

Hygienic, tough, versatile.

**Inductive and optical sensors
for the food and beverage industry.**

SICK
Sensor Intelligence.

Your sensors need to be this robust.

Automated food production poses extreme challenges for machine constructors. Cleaning processes complying with regulations place enormous loads on machine electronics, particularly on the sensors at the “front” of process control. They must withstand humidity, high process and cleaning temperatures, aggressive agents and cleaning pressures of up to 100 bar, and are still expected to work properly for many years.

Only a few suppliers can meet all these demands. At the forefront of progress: SICK’s Food & Beverage sensor solutions, developed on the basis of many years’ experience and collaboration with producers in this sector.

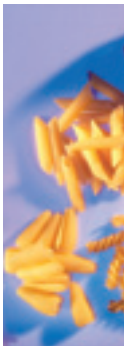
NEW developments from SICK:

- MH15V optical sensors
- V18V optical sensors
- IMF inductive sensors
- INOX inductive sensors

Accessories:

Stainless steel mounting systems and special connection technology (IP 69K) complete your sensor solution in the food and beverages sector.

Reliable processes – entirely to your taste



Compact and flush: MH15V photoelectric switches

The shortest M18 housings, robust materials, and clever accessories for flush mounting – the MH15V series solves all standard tasks in the Food & Beverage area. Their full metal housing in stainless steel and wash-down design combine tightness with optimum industrial suitability, and resist high air humidities and chemical cleaning processes with high water pressures. Certificates from Ecolab and Johnson Diversey confirm the suitability of the product series.

MH15V

- "Shorty" – the shortest full-metal housing in stainless steel
- Extremely watertight (IP 68 / IP 69K)
- Stainless steel (316L/1.4404)
- Resistant against industrial detergents acc. to Ecolab and Johnson Diversey
- Wash-down design for effective cleaning

Superiority in detail: V18V photoelectric switches

Patented technology, optimised materials: the V18V series offers long ranges and resists conditions caused by chemical cleaning processes, high ambient temperatures, air humidity and high water pressures. Highlight: patented sensitivity adjustment via **touch-teach**. The V18V offers the accustomed sensitivity adjustment directly on the sensor but without mechanical operating elements such as rotating or press buttons.

V18V

- Complete series of photoelectric switches with through-beam and reflex versions
- Photoelectric proximity switch with scanning distance of up to 800 mm
- **Touch-teach**
- Extremely watertight (IP 68 / IP 69K)
- Stainless steel (316L/1.4404)
- Expanded temperature range of up to 100 °C
- FDA-certified plastics
- Resistant against industrial detergents acc. to Ecolab and Johnson Diversey
- Wash-down design for effective cleaning




Robust and powerful: IMF inductive sensors

IMF inductive sensors solve tasks in almost all areas of food production. Whether in breweries, dairies or the production of frozen food, they solve applications precisely and reliably. Their housings are made of an extremely robust mix of stainless steel and FDA-certified plastic, and withstand even the harshest conditions in everyday operation.

High-end for maximum requirements: INOX inductive sensors

High-pressure cleaning with aggressive detergents, acids and alkalis challenge sensors. The solution: INOX inductive sensors with full metal housing in stainless steel (316L/1.4404). They also withstand extreme conditions, offer a triple switching distance, and a very high reduction factor on stainless steel.

IMF

- IMF12, IMF18 inductive sensors
- Extremely watertight (IP 68 / IP 69K)
- Stainless steel (316L/1.4404)
- PPS as cap material (FDA-certified)
- Extended temperature range of from –40 to +100 °C
- Resistant against industrial detergents acc. to Ecolab and Johnson Diversey

INOX

- IM12, IM18, and IM30 inductive sensors
- Extremely watertight (IP 68 / IP 69K)
- Triple switching distance of up to 40 mm
- Completely enclosed stainless steel housing (316L/1.4404)
- Optical adjustment aid
- Very high reduction factor

SICK sensors for the food and beverage industry: proven in harsh environment thousands of times and every day.

Your benefit is our aim.

- Greater machine availability through reliable sensors
- Hygienic processes through appropriate sensor housing material and design
- Resistant against all common detergents – certified by independent institutes

The sensor series for Food & Beverage have been specially developed to meet your needs. Convince yourself of the optimum mix of product performance and properties.

IP 68 IP 69k

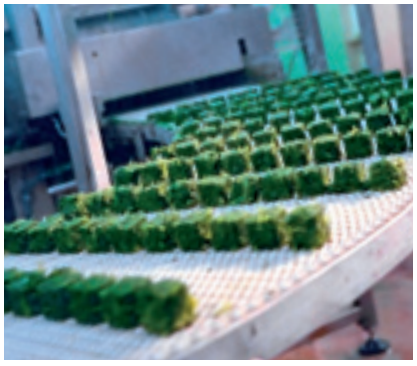
+100 °C
heat-resistant

Stainless Steel

ECOLAB

JohnsonDiversey

FDA



FACTORY AUTOMATION

With its intelligent sensors, safety systems, and auto ident applications, SICK realises comprehensive solutions for factory automation.

- Non-contact detecting, counting, classifying, and positioning of any types of object
- Accident protection and personal safety using sensors, as well as safety software and services

LOGISTICS AUTOMATION

Sensors made by SICK form the basis for automating material flows and the optimisation of sorting and warehousing processes.

- Automated identification with bar code and RFID reading devices for the purpose of sorting and target control in industrial material flow
- Detecting volume, position, and contours of objects and surroundings with laser measurement systems

PROCESS AUTOMATION

Analyzers and Process Instrumentation by SICK MAIHAK provides for the best possible acquisition of environmental and process data.

- Complete systems solutions for gas analysis, dust measurement, flow rate measurement, water analysis or, respectively, liquid analysis, and level measurement as well as other tasks

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Please find detailed addresses and additional representatives and agencies in all major industrial nations at **www.sick.com**

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