



## W11-2 - Focussing on your applications

Offering a Variety of Possibilities.

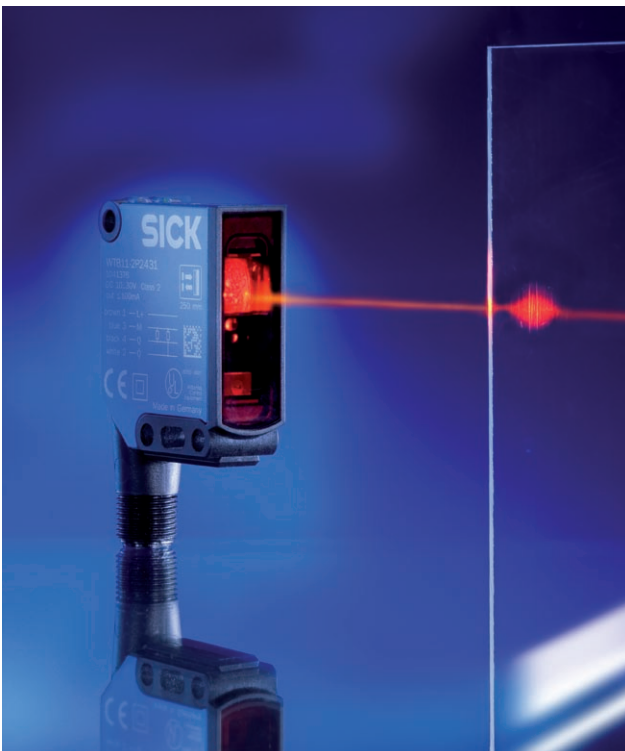
**SICK**  
Sensor Intelligence.

## W11-2 convincing through its diversity

W11-2 means sensor technology, specifically adapted for individual solutions, thus offering a wide application spectrum in many different areas of automation technology.

Whether in material handling, bottling or packaging technology, W11-2 ensures optimum performance in a compact housing, reliable object detection and high reliability in industrial environments.

W11-2 fulfils every wish!





**Overview of benefits:**

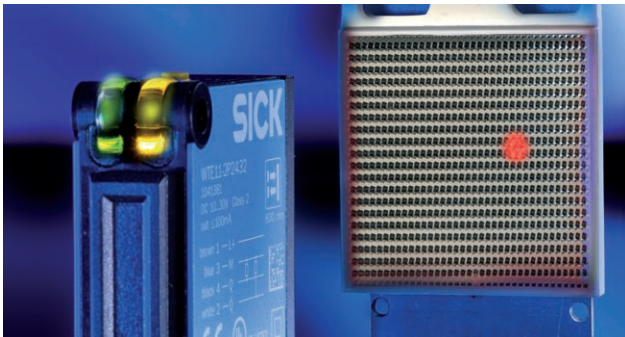
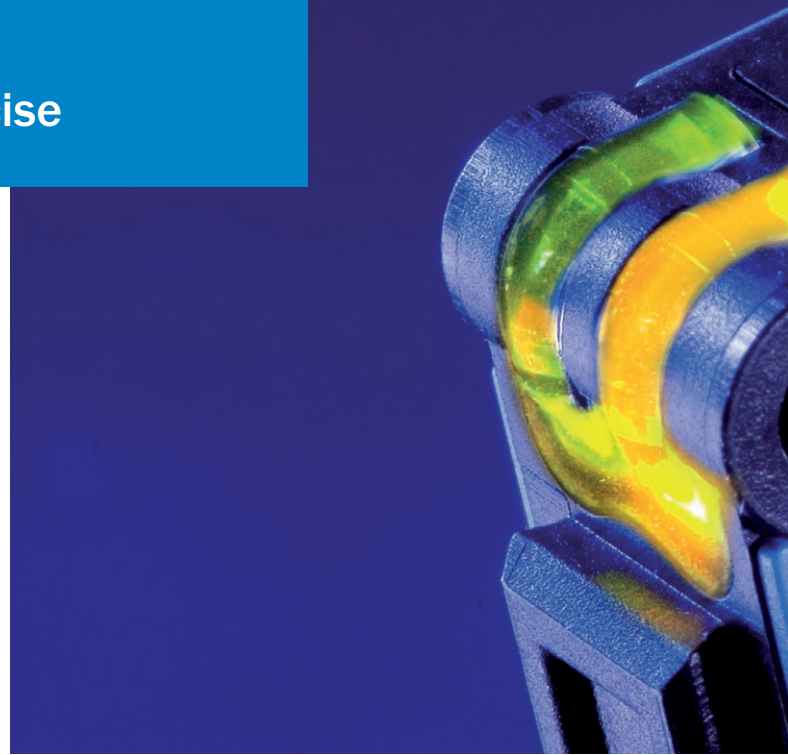
- Complete product range
- Small, robust plastic housing
- Optimum optical features
- Accurate pinpoint technology with easily visible light spot
- Universal object detection
- User-friendly installation and set-up
- High reliability in industrial environments



The series	Scanning	Applications	Approvals:
<b>WTB 11-2</b> With background suppression	20 ... 350 mm  30 ... 1100 mm	Outstanding object detection, precise background suppression, optimum performance Pinpoint versions with long scanning distance, higher system reserve	<b>ECOLAB®</b>  <b>CE</b>  <b>IP67</b>  <b>UL</b> class2
<b>WTF 11-2</b> With foreground suppression	35 ... 175 mm	For the safe detection of objects with non-homogeneous surfaces	
<b>WTE 11-2</b> Energetic photoelectric proximity switch	30 ... 1000 mm	Proven solution for standard applications	
<b>WL 11-2</b> Photoelectric reflex switch	0,15 ... 10 m	Classic sensor version, solutions for many different tasks	
<b>WL 11-G</b> For glass detection	4 m	Detection of transparent objects, from the PET bottle to transparent films	
<b>WSE 11-2</b> Through-beam photoelectric switch	20 m	Ideal solution when greater reserve capacity or very long scanning ranges are required.	

## Operator-friendly, flexible, precise

The W11-2 rates operator-friendliness very highly indeed. Commissioning is easy, fast and requires no specialist knowledge.



The new pinpoint technology offers brighter, smaller and more accurate light spots for greater scanning ranges and operating reserves. Furthermore, it enables easier and faster sensor alignment with improved detection quality.



**Adjustment** is easy through Teach-in or potentiometer. Place object in beam path, adjust scanning distance, ready! The 360° status LEDs (easily visible all around) enable faster, easier and effective sensor diagnostics.



Versatile mounting options such as dovetail mounting, side mounting and mounting holes ensure optimum mounting flexibility.



No matter how you look at it, W11-2 always fits easily, anywhere:

**Pivotal plug-in connectors or cable connections** for flexible cable exit options.

**Comprehensive accessories** such as mounting brackets or cables with plugs in many different designs facilitate sensor mounting and installation. High-quality reflectors assure top performing photo-electric switches.





**Food industry**

Solutions for many different tasks, long scanning ranges, safe detection.

**Bottling industry**

Reliable detection of transparent objects, chemical resistance.

**Packaging technology**

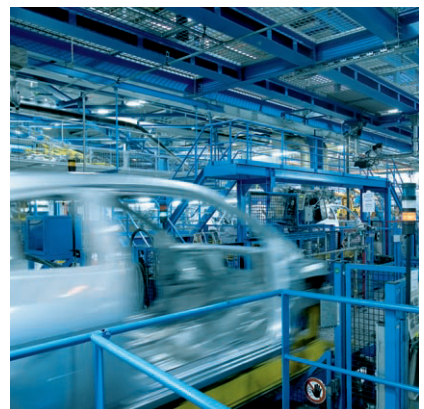
Solutions for many different tasks, precise switching, operator-friendly sensor commissioning.

**Timber industry**

Good object detection, long scanning distances and operating reserves.

**Automotive industry**

Solutions for many different tasks, easy commissioning, reliable detection.



## Focussing on essentials: your application

Opt for reliability in industrial environments: W11-2 is designed for reliable device performance when faced with changing application conditions.

**The mechanically robust housing** provides more stable sensor performance and increased resistance to the effects of mechanical vibrations.

**Electromagnetic fields?**  
W11-2 comfortably exceeds the CE requirements.

**Ambient interference sources** such as ceiling lights are detected, evaluated and suppressed by the W11-2.



### W11-2 – the advantages:

Comprehensive, versatile object detection

- Safe detection of the smallest objects
- Diverse target acquisition, from dark to transparent
- Precise switching behaviour

### Universal integration options

- Space-saving, compact and robust housing design
- Dovetail mounting
- Uniform housing, mounting and connection features across the complete series

### Operator-friendly sensors

- New: The 360° status LEDs, easily visible all around
- Fast and easy commissioning
- New: pinpoint technology, hence clearly visible light spot and easier sensor alignment

### Reliability in industrial environments

- Optimum ambient light security
- Optimum EMC security
- ECOLAB certification
- Mechanically and chemically robust housing design
- Increased resistance at lower temperatures: -30°C ... +60°C

### FACTORY AUTOMATION

With its intelligent sensors, safety systems, and auto idet 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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