



OPC UA  
MQTT

IO-Link



# Smart safety sensors

SAFETY AND AUTOMATION CREATE SAFE PRODUCTIVITY



Opto-electronic protective devices



Smart safety sensors maintain the highest level of safety as well as:



### Efficient Communication

- Point-to-point serial communication via IO-Link
- Remote device identification
- Device-specific data assists with plant management



### Diagnostics

- Error history – easy identification of sensor faults
- Process data – digital feedback of sensor functions (i.e. weak signal)
- Service data – part numbers and serial numbers for easy replacement



### Smart Tasks

- Height and width measurement of objects
- Supply voltage monitoring
- Counting of objects moving through the safety light curtain

**+** Simplify device identification to streamline asset management

**+** Minimize downtime by simplifying root cause analysis

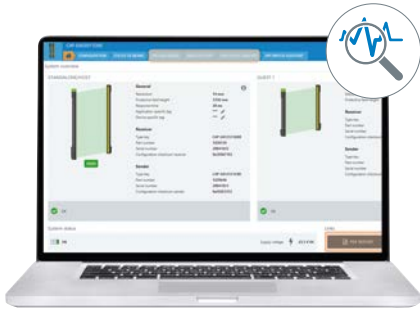
**+** Increase automation throughput while maintaining the highest level of safety



For more information about each smart safety sensor please visit the product website

[www.sick.com/deTec](http://www.sick.com/deTec) | [www.sick.com/deTem](http://www.sick.com/deTem) | [www.sick.com/L25](http://www.sick.com/L25) | [www.sick.com/L26](http://www.sick.com/L26)

CREATING  
SAFE  
PRODUCTIVITY



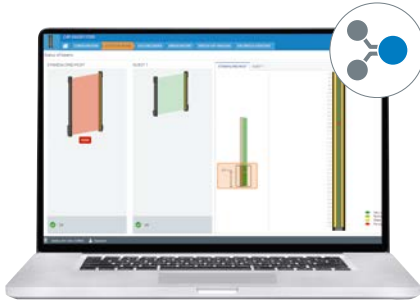
### How to minimize downtime?

Use the SOPAS Engineering Tool → [sick.com/367244](https://sick.com/367244):

- Data recorder
- Error history
- Switch-off analysis
- PDF report

IO-Link device data

- Same information - streamlined to PLC
- More information about IO-Link → [sick.com/io-link](https://sick.com/io-link)



### How to increase automation capabilities?

Height measurement function block available for:

- Beckhoff TwinCAT V2 → [sick.com/p601145](https://sick.com/p601145)
- Beckhoff TwinCAT V3 → [sick.com/p601244](https://sick.com/p601244)
- Rockwell RSLogix 5000 → [sick.com/p601144](https://sick.com/p601144)
- Siemens S7-1200/1500 (TIA) → [sick.com/p601051](https://sick.com/p601051)
- Siemens STEP7 Classic → [sick.com/p601044](https://sick.com/p601044)



### How to get data?

