# TranspaTect

One thing is clear - no reflector needed

**PHOTOELECTRIC SENSORS**

**SICK**
Sensor Intelligence.

# TranspaTect
## PHOTOELECTRIC SENSORS

## Technical data overview

| | |
|---|---|
| **Dimensions (W x H x D)** | 15.6 mm x 48.5 mm x 42 mm |
| **Light source** | PinPoint LED |
| **Type of light** | Visible red light |
| **Enclosure rating** | IP66, IP67 |
| **Housing material** | Metal / PTFE coating (depending on type) |
| **Adjustment** | Teach-in button |

## Product description

Thanks to new technologies from SICK, TranspaTect MultiTask photoelectric sensors are now able to detect transparent and semi-transparent trays and bottles without the need for reflectors, a frequent source of errors. In these applications, the reference surface is provided by a stable matte background. Sensitivity is taught in simply by pressing the teach-in button. Even high-gloss, reflective, or uneven surfaces can be detected reliably. Combined with AutoAdapt, SICK's function for continuous threshold adaptation, TranspaTect sensors provide a cost-effective and reliable detection solution in packaging processes in the food and beverage, and pharmaceuticals industries.

## At a glance

• Advanced SICK technology
• Elimination of the reflector as an error source
• Machine parts can be used as a reference surface
• AutoAdapt for continuous threshold adaptation in contaminated conditions
• PinPoint LED with bright and precise light spot
• Easy-to-use teach-in pushbutton
• Status LEDs visible from all sides
• Rugged metal housing (PTFE coating available on request)

## Your benefits

• Reliable detection of transparent and semitransparent objects without a reflector
• Reliable detection of objects regardless of color or surface qualities
• Freedom of machine design: no mounting system for the installation of a reflector required
• Quick commissioning: there is no need to mount a reflector or precisely adjust the sensor
• High operational safety: if the background becomes contaminated, object detection will continue uninterrupted
• Machine downtime is minimized: the integrated AutoAdapt function extends the time between cleanings
• Heightened productivity: mechanical and chemical ruggedness due to the metal housing

## Ordering information

Other models and accessories ➜ www.sick.com/TranspaTect

- **Functional principle:** Photoelectric proximity sensor
- **Functional principle detail:** Foreground suppression
- **Light source:** PinPoint LED
- **Voltage type:** DC
- **Switching mode:** Light/dark switching
- **Type of light:** visible red light

| Sensing range max. | Switching output | Adjustment | Connection type | Type | Part no. |
|---|---|---|---|---|---|
| 150 mm … 700 mm | NPN | Teach-in button | Male connector M12, 4-pin | WTF12G-3N2432 | 1066279 |
| | PNP | Teach-in button | Male connector M12, 4-pin | WTF12G-3K2432 | 1066211 |
| | | | | WTF12G-3P2432 | 1065719 |
| | | | | WTF12G-3P2432T01 | 1071804 |

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

**For us, that is "Sensor Intelligence."**

## WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG  |  Waldkirch  |  Germany  |  www.sick.com

**SICK**
Sensor Intelligence.