

# Miniature optosensors

Small, powerful, innovative



**No fiber optics !  
Super flexible !**

## If space is tight,

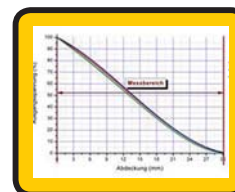
the beta-SENSORIK miniature optical sensors offer the only alternative to fiber optics and surpass them of flexibility and ease of assembly, since problems such as minimum bending radii and fiber breakage do not arise with them. The miniature optosensors from beta SENSORIK are uncompromisingly optimized for the smallest installation space. Integrated micro-optics enable long ranges and excellent resolution values. Metal housings ensure the necessary robustness. Highly flexible electrical lines transmit the sensor signals to separate amplifiers with convenient display and control elements that can be mounted outside the event where space is no longer a crucial factor.

- ▶ Size from  $\varnothing$  2 mm
- ▶ Highly flexible sensor cable for the highest dynamic alternating loads
- ▶ Outstanding resolution values
- ▶ Long reach and sensing range
- ▶ Sensitivity via "Teach In" adjustable
- ▶ Excellent replacement for fiber optics, no more problems with light guide breakage



## Amplifier for optical Sensor heads: analogue, digital, dynamic

Sensitivity adjustable via teach-in or manually via button. In addition to light/dark switching and switchable pulse stretching, there are variants with switching, analogue or dynamic outputs.



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# Photoelectric sensors with special properties



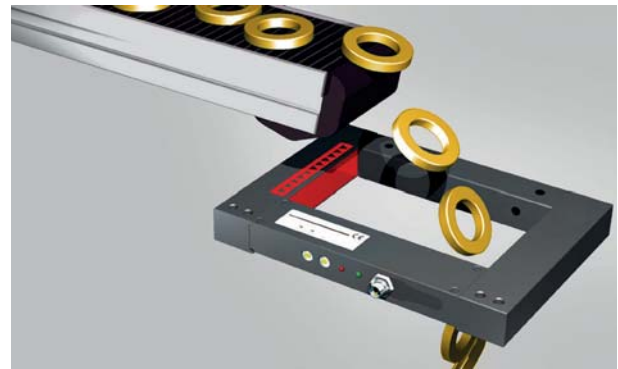
## Frame light barriers for counting and monitoring tasks

When objects are not just punctual, but in an area (window) are to be queried, our frame light barriers are used correctly.

Due to their large number of beams arranged in parallel, they can detect objects in a wide window. A consistently high resolution is guaranteed at every point in the frame.

The frame light barriers from beta SENSORIK are available in dynamic and static variants.

- ▶ consistently high resolution throughout the frame
- ▶ Small part detection up to 1.0 mm in diameter
- ▶ Robust metal housing with M8 standard connector
- ▶ adjustable sensitivity and output signal length
- ▶ dynamic and static variants
- ▶ numerous frame sizes up to 400 x 400 mm



## Fork light barriers for quick and easy installation

With the single-beam forked light barriers of the GLS series, the transmitter, receiver and electronics are integrated in a compact aluminum housing. This ensures quick and easy assembly with optimal alignment of the optical axis.

The sensitivity can be adjusted on all devices using the built-in potentiometer. Due to the robust metal housing and the high degree of protection (IP 65), the forked light barriers are suitable for many applications in automation technology.

- ▶ robust metal housing
- ▶ easy alignment to the object
- ▶ high optical resolution and repeatability
- ▶ Fork widths from 5 to 220 mm with standardized mounting holes
- ▶ Save time and effort - only one electrical connection required



Meyer Industrie-Electronic GmbH - MEYLE acquired the assets of Beta SENSORIK GmbH on Feb. 01, 2022. MEYLE is hereby expanding the existing range of sensors with more than 25 years know-how of Beta Sensorik products and services.

[www.betasensorik.de](http://www.betasensorik.de)

[www.betasensorik.biz](http://www.betasensorik.biz)

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