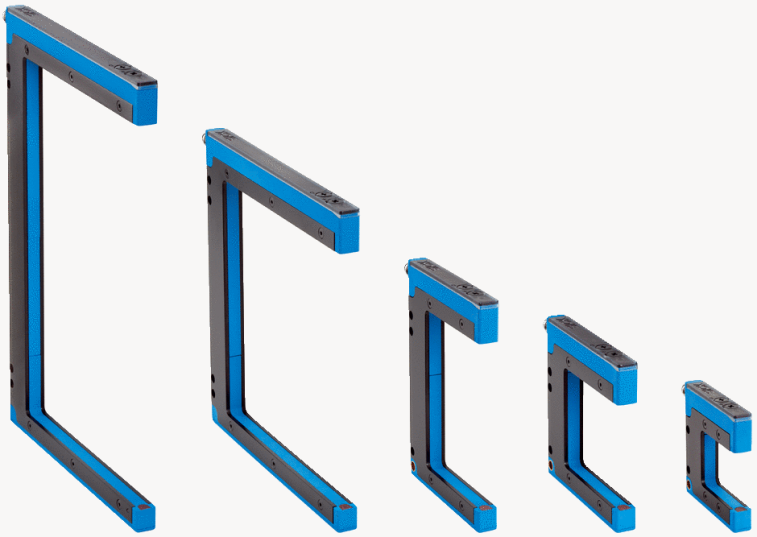
SICK.COM



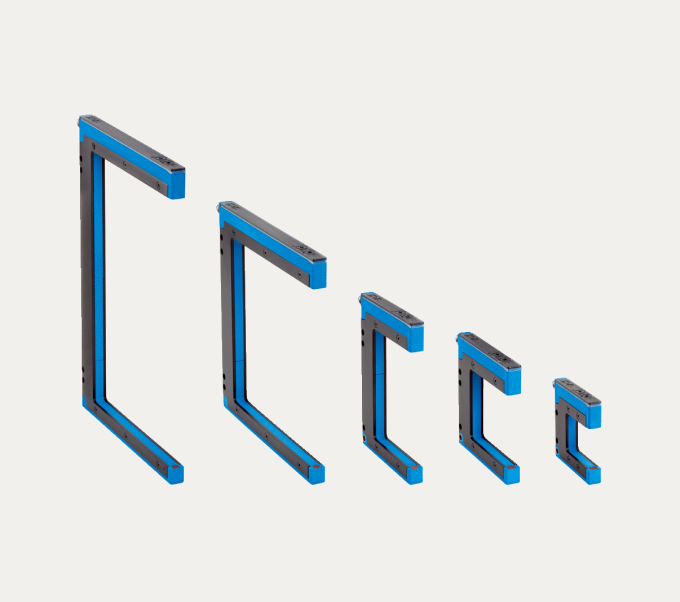
PRODUCT OVERVIEW

WFE

Fork sensors

SICK

Sensor Intelligence



FORK SENSORS

WFE

The simply outstanding all-rounder

The WFE is a rugged fork sensor that is simple and easy to mount. Thanks to its reliability and accurate detection, it is suitable for a large number of applications. The WFE can precisely detect objects up to a size of 0.5 mm with a high switching frequency of 5 kHz. The sensitivity adjustment, a push-pull output, and the ability to select between light and dark switching make it flexible and convenient to use. The WFE is enclosed in a rugged hybrid housing (IP67) made from ABS plastic with a carbon steel frame and performs reliably even in harsh environments. 5 different fork widths and several different types of connector are available. The WFE is therefore well and truly an all-in-one fork sensor solution.

WFE AT A GLANCE

BENEFITS

- Very rugged and durable ABS housing with carbon steel frame and IP67 enclosure rating
- Quick and easy mounting since the sender and receiver are pre-aligned within the same housing
- Large selection of fork widths for different application requirements
- Practical and versatile thanks to an intuitive sensitivity adjustment, push-pull output, and light/dark switching
- High switching frequency and fine resolution guarantees reliable detection even at high speeds

FEATURES

- Sender and receiver in a single housing
- 5 different fork widths from 30 mm to max. 180 mm
- High switching frequency of 5 kHz
- Minimum detectable object (MDO) of 0.5 mm
- Durable hybrid housing made from ABS with carbon steel frame
- Sensitivity adjustment
- Light/dark switching
- Push-pull output

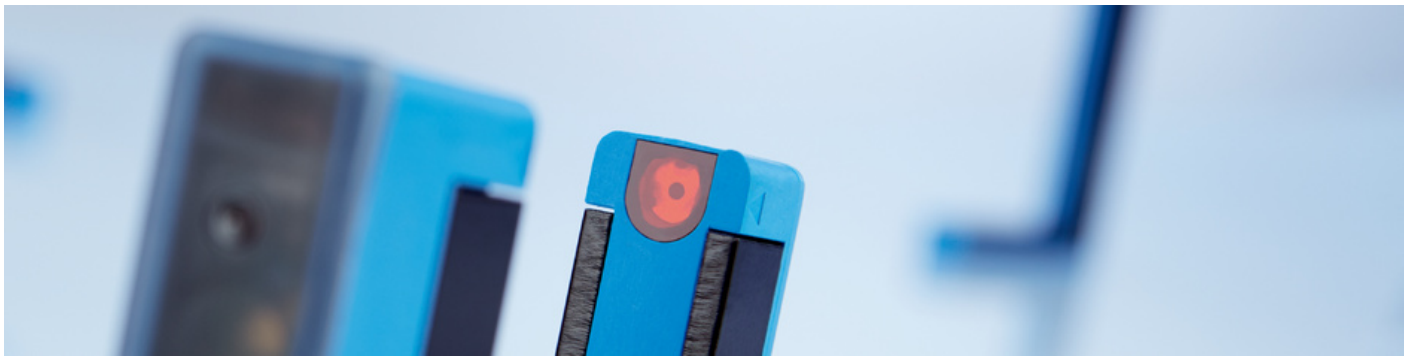
TECHNICAL DATA OVERVIEW

Fork width	30 mm 40 mm
Fork depth	180 mm 120 mm
Connection type	Cable, 3-wire Connector M8, 3-pin

EXCELLENT PERFORMANCE AND EASY TO USE

Fork sensor with countless functions and excellent performance

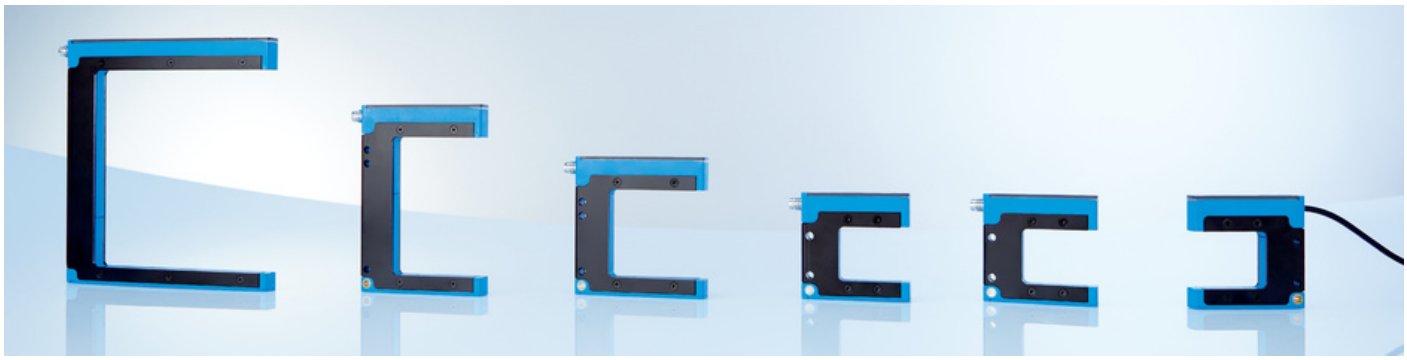
The WFE fork sensors are integrated into a robust ABS housing with a sturdy steel frame, providing a durable and solid design. Many exceptional product features such as a high switching frequency, detection of very small objects (MDO), a push-pull output, light-dark switching and many more are available to the user. At the same time, the WFE fork sensors are very easy to operate. Configuration or alignment for commissioning are not required.



Since the sender and receiver are in the same housing, no complex alignment is necessary. Detection tasks can therefore be prepared and completed quickly and easily.

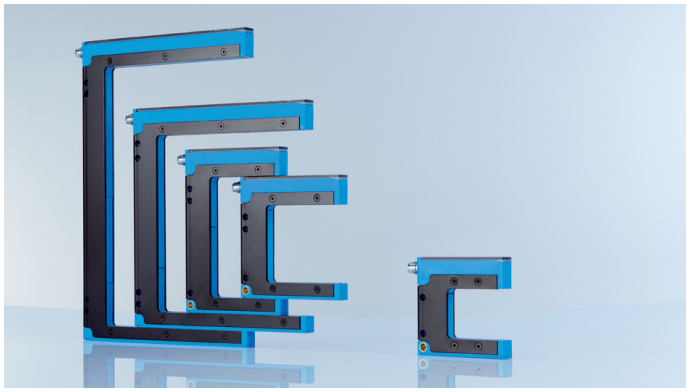
→ Operation as simple as with plug & play applications

DIFFERENT VARIANTS AVAILABLE



Different fork widths for all possible installation types

Available fork widths range from 30 mm up to 180 mm to meet various installation requirements. This ensures full flexibility and freedom in machine design as well as easy installation. A wide variety of applications are possible thanks to the sensitivity adjustment and light/dark switching.



The WFE fork sensors feature light/dark switching and sensitivity adjustment. There are also versions that do not require any adjustments.

Flexible connection options are available thanks to the 3-pin M8 connection and corresponding cables.

→ Fully flexibility due to various fork widths, adjustment switch and connection types

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.
www.sick.com/WFE

SICK AG
WALDKIRCH
GERMANY
SICK.COM

SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions.

SICK

Sensor Intelligence