SICK.COM

PRODUCT OVERVIEW

UFW

Fork sensors

SICK

Sensor Intelligence

FORK SENSORS

UFW

Easy and reliable web edge detection

The UFW fork sensor from SICK makes non-contact web edge guiding possible. Thanks to ultrasonic technology, the UFW detects a multitude of materials with great precision and is therefore ideally suited for applications with transparent films or light-sensitive materials. The compact housing designs (30 mm and 60 mm fork width) allow space-saving installation. Calibration is simple to perform using a teach-in button. Three LEDs indicate at a glance the position of the web material within the fork. Furthermore, the IO-Link communication interface opens up numerous possibilities for fine adjustment, analyses and monitoring.

UFW AT A GLANCE

BENEFITS

- High process reliability thanks to ultrasonic technology, even for optically demanding materials
- Slim housing requires little installation space
- IO-Link for fine adjustment, analyses and monitoring
- Sensor is easy to integrate into processes thanks to adjustable current/voltage output
- Reliable function with sender and receiver integrated into the housing

FEATURES

- Fork available in the widths 30 mm and 60 mm
- High resolution of 0.01–0.02 mm and repeatability of 0.1 mm
- Easy adjustment via IO-Link
- Analog output can be switched between current (4–20 mA) and voltage (0–10 V)
- Visualization of the web material position within the fork using three LEDs
- Durable metal housing

TECHNICAL DATA OVERVIEW

Functional principle	Ultrasonic detection principle
Fork width	30 mm 60 mm
Fork depth	43 mm 73 mm
Response time	5.1 ms 6 ms
Connection type	Plug, M12, 5-pin

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/UFW

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