

## Elmos at the Sensor+Test 2023 in Nuremberg: Innovative Sensor IC Solutions

Ultrasonic Distance Measurement, LiDAR, Gesture Recognition, Pressure and Flow Measurement

*Dortmund, April 27, 2023:* Elmos presents innovative sensor IC solutions for various automotive and industrial applications at Sensor+Test – the world's leading forum for sensors, measurement and test technology – from May 9 to 11 in Hall 1, Booth 431.

As the leading supplier for ultrasonic ICs in parking assistance systems, Elmos shows, among other things, products for reliable and safe object detection for autonomous driving. New concepts for smart switches make the next generation of gesture control tangible for trade visitors. In addition, Elmos demonstrates a cost-efficient and highly integrated LiDAR system solution for precise environment detection.

**Ultrasonic distance measurement:** Modern assistance systems require interference-free, precise and reliable near field detection of objects around the vehicle, independent of light and weather conditions. Ultrasonic sensor ICs are a key component for the sensor fusion in advanced driver assistance systems (ADAS) as well as for autonomous driving in cities. A new demonstrator will be on display at the fair to showcase the benefits and functionality of next-generation ultrasonic sensor ICs.

**LiDAR:** For requirements of future ADAS systems, autonomous driving, and also for industrial applications, Elmos presents a cost-efficient solid state LiDAR concept for short- and mid-range environment detection in smallest installation spaces. The new Elmos LiDAR Cam demonstrator with higher resolution makes precise and reliable detection tangible.

**Gesture recognition:** Elmos HALIOS® ICs enable optical detection of hand movements using infrared technology. With invisible surface switches (smart switches) that become visible only when approached, operating concepts can be integrated easily. As a pioneer for touchless control solutions based on HALIOS® Elmos presents innovative concepts for gesture control at Sensor+Test.

**Pressure and flow measurement:** Elmos will show demonstrators on site for the precise determination of flow rate, temperature, and concentration, ensuring that systems such as air conditioners and heaters function correctly and efficiently.

More information about Elmos products is additionally presented in a virtual showroom:  
[www.elmos.com/virtual-booth/](http://www.elmos.com/virtual-booth/)

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### About Elmos

Elmos develops, produces and markets semiconductors, primarily for use in the automotive industry. Our components communicate, measure, regulate and control safety, comfort, powertrain and network functions. For over 30 years, Elmos innovations have been bringing new functions to life and making mobility worldwide safer, more comfortable and more energy efficient. With our solutions we are already the worldwide #1 in applications with great future potential, such as ultrasonic distance measurement, ambient light and intuitive HMI.

### Notice

This release contains forward-looking statements that are based on assumptions and estimates made by the Elmos management. Even though we assume the underlying expectations of the forward-looking statements to be realistic, we cannot guarantee the expectations will prove right. The assumptions may carry risks and uncertainties, and as a result actual events may differ materially from the forward-looking statements. Among the factors that could cause such differences are changes in general economic and business conditions, fluctuations of exchange rates and interest rates, the introduction of competing products, lack of acceptance of new products, and changes in business strategy. Elmos neither intends nor assumes any obligation to update its statements with respect to future events.