# High-performance measurement for all distances

OD1000 and OD5000 displacement measurement sensors from SICK

Waldkirch, November 2017 – With the OD1000 and OD5000 displacement measurement sensors, SICK is rounding out its portfolio and therefore strengthening its range for different measuring tasks. With a sensing range of up to 1 meter (OD1000) or a measuring frequency of up to 80 kHz (OD5000), they are setting new standards in precise distance measurement with laser triangulation technology.

Displacement measurement sensors are precise laser measuring sensors with measuring ranges of up to 1 meter. Providing a high level of measurement accuracy, they are used in particular for checking, sorting, or reviewing objects in quality- or cost-relevant processes. They are also used in measuring tasks which must be executed with a simple and economic solution, but must also be extremely accurate. The characteristics measured include dimensions, position, and shape. Working with displacement measurement sensors enables users to improve the quality of their end products by carrying out 100 percent checks, while also reducing material and downtime costs.

**OD1000 - The solution for precise measurement over long distances**

With its sensing range of up to 1 meter, the OD1000 displacement measurement sensor sets new standards in precise distance measurement with triangulation. Its high performance data ensures a smooth production process and allows a high level of productivity in a wide range of applications, almost regardless of the surface quality, color, or object structure. The clear OLED display with four operating keys simplifies commissioning and optimizes the machine availability. As a standalone device with integrated evaluation, IO-Link interface, and additional functions, the OD1000 simplifies machine integration, saves additional evaluation effort, and paves the way for sustainable production.

**OD5000 - The high-performance measurement expert**

The OD5000 displacement measurement sensor specializes in high-precision measuring tasks, offering solutions in a wide range of applications. With a measuring frequency of up to 80 kHz, the OD5000 also measures quick and rotating measuring objects with µm-precision. The innovative analysis algorithm allows stable measurements with the highest level of repeatability on a wide range of surfaces. What's more, the OD5000 measures the thickness of transparent material with minimal effort with just a sensor head. The Ethernet interface integrated directly in the sensor head ensures quick communication and therefore maximum productivity.

Image:IM0067615\_OD1000.jpg  
The OD1000 displacement sensor is the solution when it comes to precise measurement over long distances.

Image:IM0074212\_OD5000.jpg  
The OD5000 displacement sensor is the high-performance measurement expert for highly accurate measuring tasks.

SICK is one of the world’s leading producers of sensors and sensor solutions for industrial applications. The company, which was founded in 1946 by Dr. Erwin Sick and has its headquarters in Waldkirch im Breisgau near Freiburg in Germany, is among the technology market leaders. With more than 50 subsidiaries and equity investments as well as many agencies, SICK has a presence all over the world. In the 2016 fiscal year, SICK had more than 8,000 employees worldwide and a group revenue of just under EUR 1.4 billion.  
Additional information about SICK is available on the Internet at http://www.sick.com or by phone on +49 (0) 7681 202 4183.