

## PRESS RELEASE

### **Reliable measurement results under tough conditions** ZIRKOR oxygen analyzers from SICK

**Waldkirch, February 2017 – The new oxygen analyzers in the ZIRKOR series are extremely rugged and combine high quality with innovative performance. The precise devices for combustion optimization are easy to operate and completely reliable. They take measurements directly after combustion so the oxygen value can be perfectly adapted to the fuel.**

Reliable oxygen measurement is just as important for controlling an optimized combustion process as it is for emissions monitoring. In one of the toughest applications of industrial process automation, the analyzer must be easy to integrate and extremely resistant. Optimal combustion, however, relies on perfect dosing. Too little oxygen will result in incomplete combustion and, therefore, increased CO emissions. Too much oxygen, on the other hand, leads to very high heat loss via the exhaust gas.

The ZIRKOR series provides an oxygen reference value for emission measurement in order to ensure reliable measurement results. There are three versions available: ZIRKOR100 for smaller plants, ZIRKOR200 for large combustion plants, and ZIRKOR302 for adjustment without test gas.

#### **Tough performance – easy to operate – precise analysis**

The ZIRKOR100 is extremely rugged thanks to its innovative cell technology. The integrated cell diagnosis function keeps maintenance work to a minimum and all important information can be accessed via ZIRKOR Remote.

The ZIRKOR200 is a high-tech analyzer with simple connection options. It can work in ambient temperatures of up to 1,600 °C without any problems and calibrates itself automatically. Thanks to its variable probe lengths and a higher number of interfaces, it can be installed in all kinds of plants and applications. The model that works in temperatures of up to 600 °C is also certified in accordance with EN 15267.

The main difference between ZIRKOR302 and the other two analyzers is its automated calibration using the ambient air. The tried-and-tested flow sensor principle does not require any test gases for this calibration and ensures a continuous, exceptionally precise measurement even at high temperatures. The analyzer is available with an optional integrated measuring gas pump or an ejector powered by compressed air.

Image: ZIRKOR.jpg

The oxygen analyzers in the ZIRKOR series provide reliable measurement results.

SICK is one of the world's leading producers of sensors and sensor solutions for industrial applications. Founded in 1946 by Dr.-Ing. e. h. Erwin Sick, the company with headquarters in Waldkirch im Breisgau near Freiburg ranks among the technological market leaders. With more than 50 subsidiaries and equity investments as well as numerous agencies, SICK maintains a presence around the globe. In the fiscal year 2015, SICK had more than 7,400 employees worldwide and achieved Group sales of just under EUR 1.3 billion.

Additional information about SICK is available on the Internet at <http://www.sick.com> or by phone on +49 (0) 7681 202-4183.