# Better measuring performance for smaller emission limit values

**Waldkirch, October 2019 – With the MCS200HW, SICK is presenting the new generation of analyzer systems for monitoring flue gas in industrial plants. The analyzer system delivers better measuring performance even in the case of smaller emission limit values, enables access worldwide via just one secure interface and has been certified in accordance with the latest emission monitoring standards.**

The sustainable use of our Earth’s resources is becoming more and more relevant on a global scale. The reduction and ideally prevention of environmental pollution in the industrial field represent a key aim. The German Environment Agency states that 40% of greenhouse gas emissions in Europe are caused by 11,000 plants from the energy sector and energy-intensive industrial sector alone[[1]](#footnote-1). The sensor manufacturer SICK has been actively working on solutions in this area for over five decades. As of the fall of this year, plant operators will be able to benefit from the MCS200HW, a new multi-component analyzer system for continuous monitoring of flue gas.

The MCS200HW follows on from the MCS100E HW and is approved in accordance with the latest emission monitoring standards, e.g. 2010/75 / EU, EN15267 or EN14181 as well as US EPA, Part 75, for plants requiring a permit. The MCS200HW is hot/wet extractive, which means that all parts which touch media − from the gas sampling probe to the measuring cell − are heated above the dew point and therefore protected from corrosion. Water-soluble gas components such as hydrogen chloride (HCl) or ammonia (NH3) can therefore also be reliably detected.

The innovative 12-inch touch display offers intuitive operation thanks to a task-oriented operator wizard and quick access to the main functions. Plant operators can also quickly access the analyzer and its data remotely, wherever they are in the world. Up to 12 gas components can be monitored by the MCS200HW at the same time. The measuring components can be flexibly arranged and expanded at any time.

The predecessor model of the MCS200HW has been part of SICK AG’s portfolio since 1998 and has been installed about 3,000 times. As a result, SICK has been able to consistently implement innovative improvements in the new product generation.

Images: SICK\_MCS200HW\_0082231  
Caption: New generation: The MCS200HW delivers optimum measuring performance even in the case of smaller emission limit values.

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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 2018 fiscal year, SICK had almost 10,000 employees worldwide and a group revenue of around EUR 1.6 billion.

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

1. Source: [https://www.umweltbundesamt.de/daten/klima/der-europaeische-emissionshandel#textpart-2](#textpart-2) [September 2, 2019] [↑](#footnote-ref-1)