



# PowerCEMS100

CONTINUOUS EMISSION MONITORING SYSTEMS (CEMS)

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
PowerCEMS100	On request

Other models and accessories → [www.sick.com/PowerCEMS100](http://www.sick.com/PowerCEMS100)



### Detailed technical data

#### Features

<b>Measured values</b>	O <sub>2</sub> , CH <sub>4</sub> , CO, CO <sub>2</sub> , NO, NO <sub>2</sub> , NO <sub>x</sub> , N <sub>2</sub> O, SO <sub>2</sub>
<b>Analyzers</b>	GMS800
<b>Measuring tasks</b>	CEMS
<b>Performance-tested measurands</b>	O <sub>2</sub> , CO, CO <sub>2</sub> , NO, NO <sub>2</sub> , SO <sub>2</sub> , CH <sub>4</sub>
<b>Measurement principles</b>	Cold extractive
<b>Measuring methode</b>	O <sub>2</sub> : Electrochemical / Paramagnetic Toxic gases: NDIR / UV
<b>Gas flow rate</b>	≥ 60 l/h With bypass pump: ≥ 250 l/h For short response times
<b>Ambient temperature</b>	Indoor: +5 °C ... +40 °C Can be expanded on the system side if necessary Indoor with cooling unit: +5 °C ... +50 °C Can be expanded on the system side if necessary Outdoor: -20 °C ... +50 °C Can be expanded on the system side if necessary
<b>Enclosure rating</b>	Indoor: IP54 Can be expanded on the system side if necessary Indoor with cooling unit: IP54 Can be expanded on the system side if necessary Outdoor: NEMA 3R / 4 Can be expanded on the system side if necessary

#### General notes

<b>Fulfilled standards</b>	EN 15267 EN 14181 MCERTS
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#### Classifications

<b>ECLASS 5.0</b>	27209090
<b>ECLASS 5.1.4</b>	27209090
<b>ECLASS 6.0</b>	27209090
<b>ECLASS 6.2</b>	27209090

<b>ECLASS 7.0</b>	27209090
<b>ECLASS 8.0</b>	27209090
<b>ECLASS 8.1</b>	27209090
<b>ECLASS 9.0</b>	27209090
<b>ECLASS 10.0</b>	27209090
<b>ECLASS 11.0</b>	27209090

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)