

Oxygen Measuring Instruments
Systeme zur Messung und
Regelung von Sauerstoff



CMM/CSM

The CSM oxygen sensors, with a ceramic protection tube, and the CMM oxygen sensors, with a metallic protection tube, of the C series, were specifically developed for inline measurement. These oxygen sensors measure directly in the high-temperature process. Zirconium oxide as the measuring principle allows excellent interpretation during heat treatments, especially in the areas of oxidation, reduction, and carburization. High-alloy stainless steel or special ceramics guarantee long-term stability and corrosion protection. Additionally, each C series sensor features an integrated Type S thermocouple.

CMM Application examples:

- Heat treatment
- Carburizing
- CHP systems

CSM Application examples:

- Sintering systems
- Steel production
- Tempering systems
- Porcelain production

Technical data

Type	Installation length	Temperature range
CMM-700S	700 mm	700 – 1000 °C
CMM-900S	900 mm	700 – 1000 °C
CSM-700S	700 mm	700 – 1400 °C
CSM-900S	900 mm	700 – 1400 °C

Measuring range C-sensors

Lin 0 – 100 %
Log $10^0 - 10^{-33}$

Combination options:

CMM/CSM		Manual
U15-Digital	Flyer	Manual
GSM	Flyer	Manual
Accessories		Link

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