

## NDIR SENSORS FOR EMISSION MEASUREMENT

CO, CO<sub>2</sub>, CH<sub>4</sub>, HC, SO<sub>2</sub>, NO



# EMISSION MEASUREMENT

## NDIR SENSORS – HIGH TECHNOLOGY FOR YOUR APPLICATION

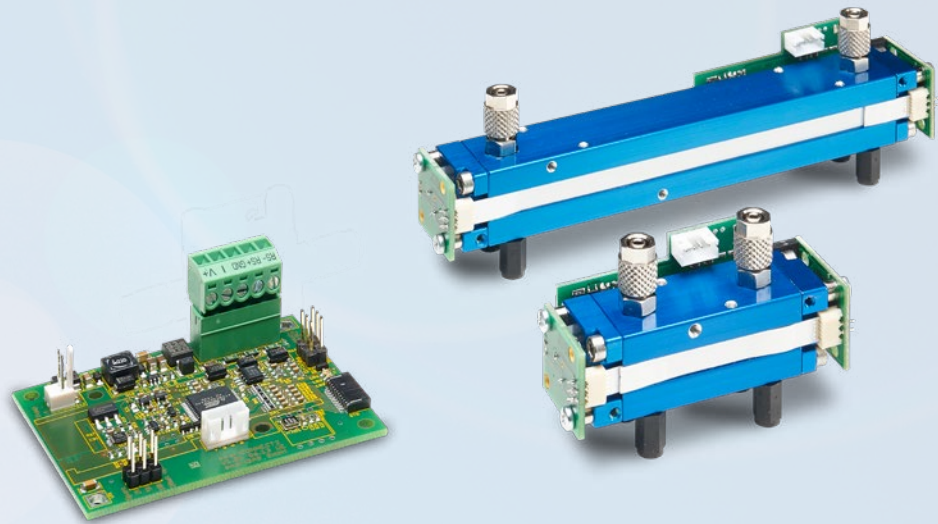
Increasingly stringent environmental protection regulations, rising fuel costs and the subsequent growing requirement for efficient operation of incineration plants necessitate the use of intelligent and reliable measuring and control technology in the exhaust gas flow. Gas sensors for measuring emissions in the standard combustion gases CH<sub>4</sub>, CO, CO<sub>2</sub>, SO<sub>2</sub> or NO

play a crucial role in this process. Our high-precision NDIR gas sensors of the FLOW<sup>EVO</sup> series for measuring emissions reliably detect the gases CH<sub>4</sub>, CO, CO<sub>2</sub>, SO<sub>2</sub> or NO. They are ideal for measuring the volume percentage and, depending on the version, also minute gas quantities in the ppm range.

This allows use of the stable and low-drift gas sensors for safety monitoring in production processes as well as for precise control and efficient operation of incineration systems.

If your goal is a better understanding and more precise control of your incineration system or your processes – smartGAS offers the suitable NDIR sensor.





CH<sub>4</sub>

CO

CO<sub>2</sub>

SO<sub>2</sub>

NO

#### YOUR BENEFITS

- Highly selectiv → low cross sensitivity to other gases
- Long lifetime → up to 10 years
- Fast response time →  $t_{90} < 12s$
- Small drift over time → long calibration cycles
- Low cost of ownership → sustainable technology

#### IDEAL FOR

- Chemical industry
- Industrial heating processes
- Powerhouse
- Exhaust gas control system

## SMARTGAS – SMART SOLUTIONS FOR GAS MEASUREMENT



» *Leading gas measurement technology since 2005*

» *Specialized in NDIR gas sensing technology*

» *Solution provider for customer specific systems*



» *Production, calibration and R&D all located in Germany*

» *ISO 9001:2015 certified*



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