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**smartGAS**  
MIKROSENSORIK

INNOVATIVE GAS SENSORS

## NDIR SENSORS FOR GAS ANALYSIS

CO, CO<sub>2</sub>, CH<sub>4</sub>, HC, SO<sub>2</sub>, SF<sub>6</sub>, SO<sub>2</sub>F<sub>2</sub>



*blue performance*

# GAS ANALYSIS WITH NDIR SENSORS

## NDIR SENSORS – HIGH TECHNOLOGY FOR YOUR APPLICATION

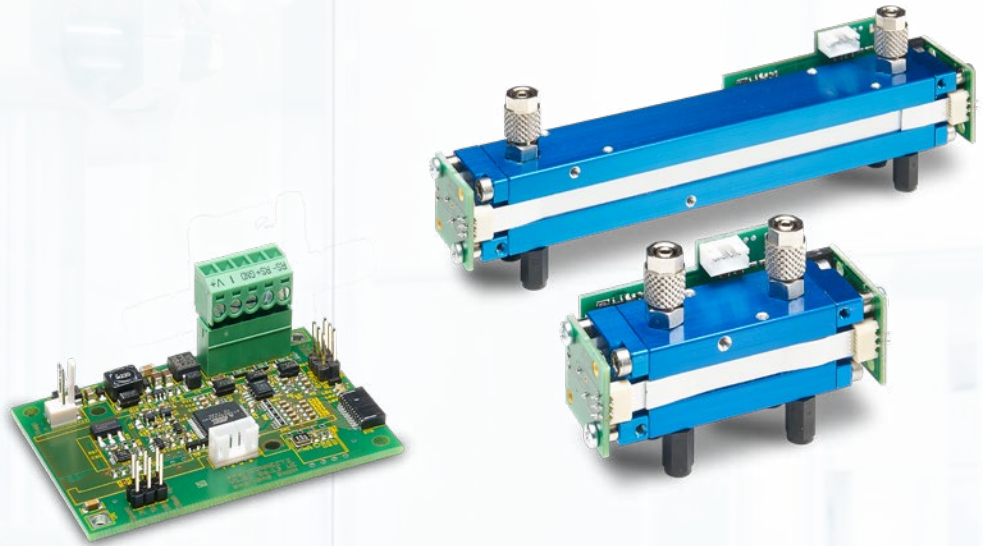
Gas sensors from smartGAS cover a wide range of measurable gases and are ideal for industrial gas analysis and use in process measuring technology. Also, the purely physical NDIR principle offers various advantages over other technologies. NDIR sensors are extremely low-maintenance, have long service lives and can also be individually adapted to your application.

Based on the same technology platform, they are available in different versions and can be excellently combined for complex measuring tasks.

Our FLOW<sup>EVO</sup> sensors impress with their long-term stable, extremely accurate measurements, as well as simple handling and simple integration into already existing systems.

Due to the use of standardised interfaces, compact designs and a selection of different solutions for gases and measuring ranges, our NDIR gas sensors are thus suited to quick and cost-saving use in gas analytics and infrared analysis.





#### YOUR BENEFITS

- |                       |   |                                      |
|-----------------------|---|--------------------------------------|
| Highly selective      | → | 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

- |                           |                            |
|---------------------------|----------------------------|
| ▪ Industrial gas analysis | ▪ Biogas                   |
| ▪ Safety engineering      | ▪ High voltage engineering |
| ▪ Emission measuring      | ▪ Pest control             |
| ▪ Process control         | ▪ Fruit storage            |

## 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*

