

EVO SERIES ++ THE GAS SENSING EVOLUTION

NO
SF₆
CO
SO₂
CH₄
C₂H₄
CO₂
SO₂F₂
C₃H₈
R513a
R507
R600
R134a
R410a
R125
R407c
R123
R22
R407f ^{NEU}
R1234ze
R290
R407a
R448a ^{NEU}
R744
R1234yf
R404a
R449a ^{NEU}



HIGH QUALITY GAS SENSORS MADE IN GERMANY



- Highly selectiv
- Long lifetime
- Fast response time
- Small drift over time
- Low cost of ownership

Whether in building services engineering, climate control, in biogas plants or in processing industry - wherever there is an accurate and reliable gas measurement required, there are measuring systems used, that are based on the infrared sensor technology. Because different from pellistors or semiconductor sensors, the IR gas sensors are almost maintenance and wear-free and supply a constantly exact measuring quality over their total durability, even in changing environmental conditions.

As specialists in IR- technology, we succeeded in developing a miniaturized sensor, which is easy to configure for a multiplicity of most different uses and is easy to be integrated in new or in already existing systems.



BEST TECHNOLOGY FOR YOUR APPLICATION

- low cross sensitivity to other gases
- up to 10 years
- $t_{90} < 12s$
- long calibration cycles
- sustainable technology

Our in dual-beam technology built gas sensors are based on the principle of the infrared absorption of gases and accomplish highest requirements concerning accuracy, reliability and economy. In process, the sensor system uses the individual absorption spectrum of a specific gas and appoints its exact concentration through its accurate, quantitative analysis.

An integrated evaluation electronic system compensates all drift- and temperature influences reliably and because of that, a genuine measurement result is guaranteed.

Customer- friendly and target oriented

At smartGAS, you do not only get exceptional products, but an exceptional service, too. Whether customized adjustments for your special measurement task or support in connecting to your existing technology- we will find a solution together.



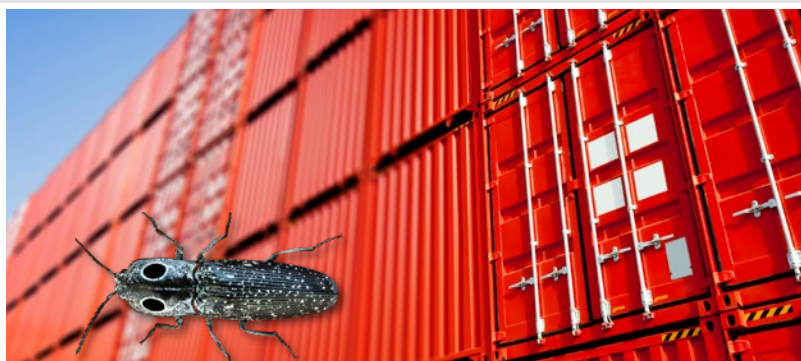
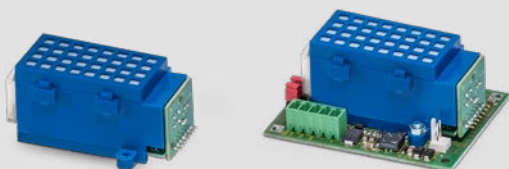
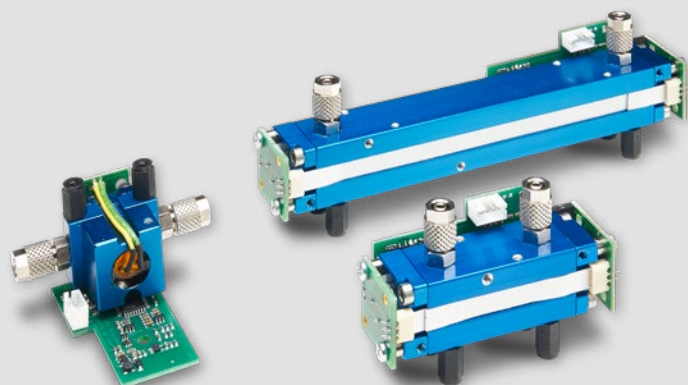


INDIVIDUAL SOLUTIONS FOR YOUR NEEDS

- ADAPTABLE MEASUREMENT RANGES
- DIFFERENT GASES AVAILABLE
- FLEXIBLE INTERFACES
- INDIVIDUAL HOUSINGS
- OPTIONAL ACCESSORIES

FEATURES - EVO

- EASY TO INTEGRATE IN CURRENT SYSTEMS
- MODBUS ASCII/RTU SELF-ADJUSTING
- ANALOGUE OUTPUT (E.G. 4-20 MA, 0-10 V) POSSIBLE
- PRE CALIBRATED
- DRIFT-AND TEMPERATURE COMPENSATED
- OPTICAL STATUS INDICATION VIA LED
- BAUD RATE UP TO 38.400 BAUD
- VCC 3.3 V – 6.0 V DC



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*



smartGAS Mikrosensorik GmbH

Huenderstr. 1 • 74080 Heilbronn • Germany

Phone: +49 (0) 7131 797553-0

mail@smartgas.eu | www.smartgas.eu