

PERFECT SOLUTIONS FOR GAS ALARM SYSTEMS



# OEM Customizing/Branding



## OEM Products

Sensors and Controllers  
for Fixed Gas Alarm Systems

**MSR-ELECTRONIC**

Your partner for research,  
development and production

# SUPPORT WITH KNOWLEDGE + COMPETENCE

## through international OEM experience

**MSR-Electronic is a manufacturer of fixed gas alarm systems with decades of experience in the field of building automation and gas measurement technology.**

The international company with headquarters in Germany has a wide range of solutions for the detection of toxic and combustible gases. On this basis MSR-Electronic develops individual gas sensors and controllers for many applications.

From a certain quantity for a product, customizing of the sensors and controllers is possible. This starts with individual laser marking and labeling and extends to special requests for configuration and expansion.

In addition to the implementation of customer-specific requirements with regard to device approval, we support our customers in numerous industries in meeting all current national and international regulations on product safety and technical market safety requirements.

**Contact us and learn more about the possibility of personalization.**

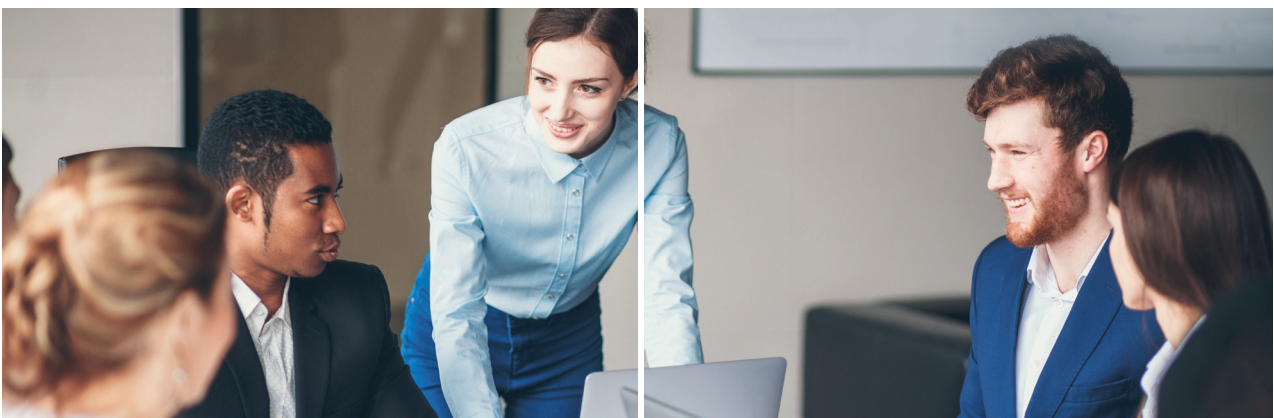
[info@msr-electronic.de](mailto:info@msr-electronic.de)

## YOUR PROJECT TEAM

**Initiation, planning, execution, monitoring and control**

A specially coordinated project team will work with you to create the product requirement profile according to the modular principle. During the individual development stages, monitored

by the MSR quality management, up to the release sample (PPAP) and subsequent series production, we are in close contact with you.



# YOUR BENEFITS

with process optimized production sequences

## OEM-EXPERTISE EXPERIENCE

Our international customers benefit from our many years of experience in the development and production of sensors and controllers for various industries and applications in gas detection technology.

## FLEXIBILITY INDIVIDUAL

Depending on your needs and situation, we adapt our services and processes to your technical specifications and project processes.

## CREATIVITY INVENTIVENESS

We support you in finding ideas with technical know-how and as a source of inspiration.

## COSTS SHARING

We concentrate on the development and production of the products. This leaves you with all resources for sales, marketing and logistics.

## QUALITY MANAGEMENT

MSR products have all necessary approvals in their equipment. The devices undergo a quality inspection and can therefore be used without restriction as global devices.

## APPLICATIONS VARIETY

Gas measurement technology for e.g. parking garages, tunnels, buildings, shipping, beverage and refrigeration systems, laboratories and medicine, water treatment, breweries, wine cellars, vending machines, petrochemical and manufacturing industry, biogas plants and offshore.



# OEM PRODUCT DEVELOPMENT

on a modular concept

## Applications

- Tunnel
- Parking garage
- Building
- Industry
- Petrochemicals
- Biogas plant
- Shipping
- and others



## Gases

- CO<sub>2</sub>
- NH<sub>3</sub>
- CH<sub>4</sub>
- and others



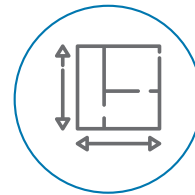
## Measuring Principles

- Infrared
- EL. Chem.
- Semiconductor
- Catalytic table



## Housing

- Design
- Form
- Colour
- Logo
- Font
- IP protection class
- and others



## Accessories

- Acoustic: Horn, buzzer
- Optical: Flash light, warning sign
- and others



## Approvals

- EN 378
- EN 14624
- EN 50545-1
- EN 60079-29-1
- ATEX
- EN 60079
- and others



## Mounting

- Standard in housing
- Remote with cable



## More features

- Relay
- Display
- Analog / Digital Outputs
- Analog / Digital Inputs
- Modbus, Bacnet
- and others

# CERTIFICATES AND APPROVALS

## Guaranteed safety for your products

### Buildings: Approvals for PolyGard®2

**Measurement function test of sensors and devices according to EN 50545-1 (TÜV-Rheinland)**

Device series types: DGC-06, GC-06, EP-06, SB2, MSC2, MSB2, SC2-Tox, SC2-Ex

**Functional test (SIL) of sensors and devices according to EN 50271 chapter 4.7 (TÜV-Rheinland)**

Device series types: DGC-06, GC-06, EP-06, SB2, MSC2, MSB2, SC2-Tox, SC2-Ex

**Approvals: ANSI/UL 61010-1, CAN/CSA-22.2 No. 61010-1**

Device series types: DGC-06, GC-06, EP-06, SB2, MSC2, MSB2, MGC2, WSB2, ARB2; SC2-Tox, SC2-Ex, MC2-Tox, MC2-Ex

**Further conformities: EU Directive 2014 / 30 / EU and 2014 / 35 / EU, EN 61010-1, EN 50270, EN 378,**

EN 60079-29-1, EN 45544-1, EN 50104, EN 50402, EN 14624, EN 61508-1 -2 -3, EN 50271, EAC-TR TO 012, ISO 9001

### Industry: Approvals for PolyXeta®2

**Electrical explosion protection of sensors and devices according to ATEX/IECEx, EN 60079-0, -1**

(DEKRA Testing and Certification GmbH)

Device series types: PX2, SX1, SSAX1

**Measurement function test of sensors and devices according to EN 60079-29-1 / EN 50104**

(DEKRA Testing and Certification GmbH)

Device series types: PX2, SX1, SSAX1

**Functional test (SIL2) of sensors and devices according to IEC/EN 61508-1 -2 -3, EN 50271**

(DEKRA Testing and Certification GmbH)

Device series types: PX2, SX1, SSAX1

**Further conformities: EU Directive 2014 / 34 / EU, 2014 / 30 / EU and 2014 / 35 / EU,**

EN 61010-1, EN 50270, EN 378, EN 50402, EN 14624, EAC-TR TO 012, ISO 9001

Device series types: PX2, SX1, SSAX1



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