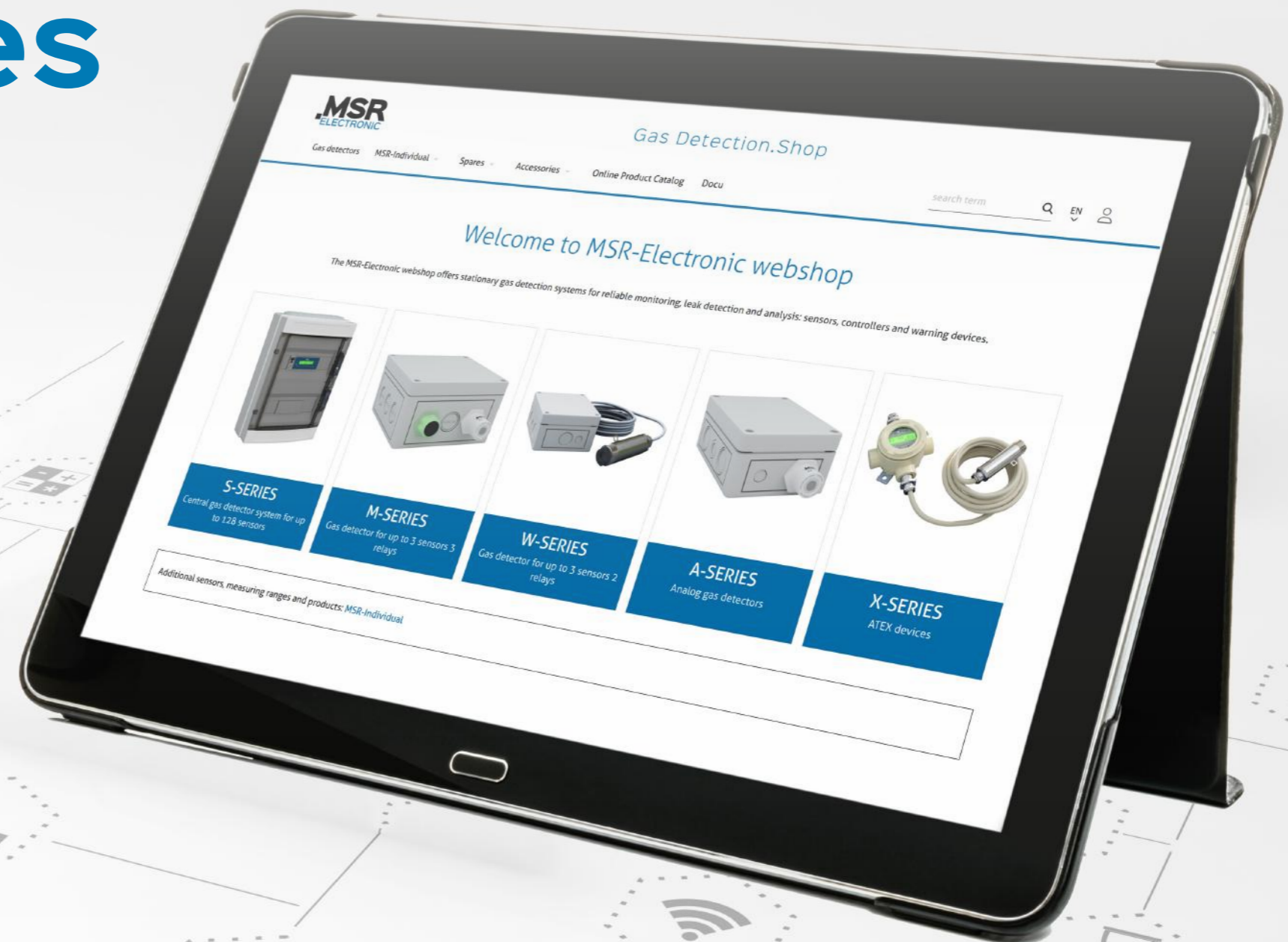


Product series

Total gas safety



Product series

S series

Addressable digital gas detection system (Sensor-Board SB) for combustible, toxic and refrigerant gases.



- **Communication**
RS-485 interface for stable and secure system networking
- **Precise detection**
High accuracy thanks to digital signal processing
- **Easy maintenance with X-Change**
Plug & Play systems for fast, convenient service
- **Robust design**
Reliable with IP65 even under extreme conditions

M series

Gas measuring, monitoring and warning controller (Multi-Sensor-Controller MSC) for reliable detection of combustible, toxic and refrigerant gases.



- **Flexible control**
3 relays (SPDT, potential-free, 250 V)
- **Intelligent communication**
RS-485 interface with DGC and Modbus protocol
- **Precise signal transmission**
4–20 mA input and output for seamless system integration, up to 3 sensors including remote

W series

Warning- and Sensor-Board WSB for digital and analog sensor technology for the precise detection of combustible, toxic and refrigerant gases.



- **Versatile alarm functions**
Alarm and fault relays (30 V)
- **Intelligent interfaces**
RS-485 interface with DGC or Modbus protocol
- **Precise signal transmission**
4–20 mA input and output for reliable communication
- **Flexible**
Connection of up to 3 sensors (2 digital)

A series

Analog gas detector MC for connection to DGC, MSC, WSB or any compatible gas detector.



- **Reliable self-monitoring**
Integrated watchdog for maximum safety
- **Precise signal transmission**
4–20 mA (2–10 V) output for easy system integration
- **Optional visualisation**
Display with transistor output for flexible alarm solutions

X series

Stationary gas detection device PX for continuous monitoring of ambient air for use in potentially explosive atmospheres in zones 1 and 2.



- **Certified safety**
ATEX, IECEx and SIL2 certified for worldwide use in hazardous areas
- **Flexible communication**
4–20 mA, RS-485 interface, DGC and Modbus for versatile integration
- **Extended operating range**
Operation from -40 °C to +60 °C with alarm and fault signal relay

Accessories

Warning signs, tools and warning horns for all products.



- **Practical operating package**
Service-Tool or PCE with software for easy configuration
- **Clear alarm message**
Acoustic and visual signals for quick response
- **Standard-compliant safety**
Warning signs in accordance with EN 50545-1 for standard-compliant installation

S series

Gas warning system consisting of Sensor-Boards and DGC controller.

Addressable digital gas detection system (Sensor-Board SB)
for combustible, toxic and refrigerant gases.

Features

- Flexible 16–29 V DC power supply with reverse polarity protection
- Reliable RS-485 communication for DGC controllers and building management systems
- Precise measurement thanks to digital signal processing with temperature compensation
- Software according to SIL compliant development process
- Internal functional control with integrated watchdog
- Easy to maintain thanks to pluggable, replaceable sensors
- Robust IP65 housing (94 x 130 x 57 mm) for industrial and security applications
- Optional: optical/acoustical indicator

[How to videos](#)

[Applications](#)

MSR
ELECTRONIC



Illustration of a Sensor-Board SB

M series

As a stand-alone device or for connection to a bus system.

Gas measuring, monitoring and warning controller (Multi-Sensor-Controller MSC) for reliable detection of combustible, toxic and refrigerant gases.

Features

- Flexible 24 V AC or DC power supply with reverse polarity protection
- Flexible communication via RS-485 communication (DGC/Modbus) and 4–20 mA analog output
- Wide range of connections: relays (250 V AC, 5A), transistor outputs, digital inputs, local/remote sensors (ATEX option)
- Precise measurement with digital signal processing, temperature compensation and watchdog
- SIL compliant design for maximum operational safety
- Easy to maintain thanks to pluggable, replaceable sensors
- Robust IP65 housing (130 x 130 x 75 mm)
- Optional: optical/acoustical indicator and LC-display

[How to videos](#)

[Applications](#)

MSR
ELECTRONIC



Illustration of a Multi-Sensor-Controller MSC

W series

As a stand-alone device or for connection to a bus system.

The WSB (Warning- and Sensor-Board) for digital and analog sensor technology for the precise detection of combustible, toxic and refrigerant gases.

Features

- Flexible 24 V AC or DC power supply with reverse polarity protection
- Flexible communication via RS-485 communication (DGC/Modbus) and 4–20 mA analog output
- Comprehensive connections: analog input, configurable relays, ATEX sensor support
- Precise measurement with digital signal processing, temperature compensation and watchdog
- SIL-compliant hardware and software with hardware watchdog for maximum safety
- Easy to maintain thanks to pluggable, replaceable sensors
- Robust IP65 housing (94 x 130 x 57 mm)
- Optional: optical/acoustical indicator and LC-display

[How to videos](#)

[Applications](#)

MSR
ELECTRONIC



Illustration of a Warning- and Sensor-Board WSB

A series

For connection to DGC, MSC, WSB, or any analog gas detection controller.

Analog gas detector MC with digitised measurement processing and integrated self-diagnosis for continuous monitoring of the ambient air for combustible, toxic and refrigerant gases.

Features

- Flexible 16–29 V DC power supply with reverse polarity protection
- Precise signal transmission via standardised 4–20 mA analog output
- Reliable safety through permanent self-monitoring with hardware watchdog
- Expandable with transistor output for direct A/V alarm connection (24 V DC / 50 mA)
- SIL compliant hardware and software for safety-critical applications
- Easy to maintain thanks to pluggable, replaceable sensors
- Robust IP65 housing (94 x 130 x 57 mm)
- Optional: integrated display for local display and operation

[How to videos](#)

[Applications](#)

MSR
ELECTRONIC



Illustration of a MC gas detector with housing

X series

As a stand-alone device or for connection to a bus system.

Stationary gas detection device PX for continuous monitoring of ambient air for use in potentially explosive atmospheres in zones 1 and 2.

Features

- Flexible interfaces: 4–20 mA, RS-485 interface (Modbus) and 2 relays (30 V AC/DC, 1 A)
- Certified worldwide: ATEX and IECEx approvals for hazardous areas (Zone 1 and 2)
- Highest functional safety with SIL2 functions via 4–20 mA, RS-485 communication and relay outputs
- Robust Ex variants: PX2-1 (Ex db, pressure-resistant) or PX2-2 (Ex ec, increased safety)
- Easy to maintain thanks to pluggable, replaceable sensors
- Robust IP66 housing with multiple cable entries
- Optional: LC display with status LEDs and buttons for local operation

[How to videos](#)

[Applications](#)

MSR
ELECTRONIC

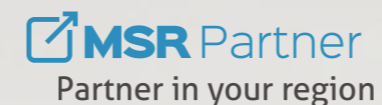


Illustration of a gas detector PolyXeta® PX

Global Experts in Gas Detection.



With a worldwide partner network and its own branches around the globe.



www.msr-electronic.de

We are part of the MSR-Group.