Detector

AND YOUR ENVIRONMENT
IS SAFE

SEGURO

VALVOMO

SEGURO

Seguro – intelligent and reliable gas monitoring

Seguro brings a new level to gas monitoring by offering real-time remote monitoring that works anytime, anywhere. The system can be connected to up to 500 gas detectors, and their operation can be monitored seamlessly at all times.

Modular and flexible solution

Seguro is designed to adapt to different operational environments. Its modular structure allows easy integration with existing systems and can be tailored to a variety of site-specific requirements.

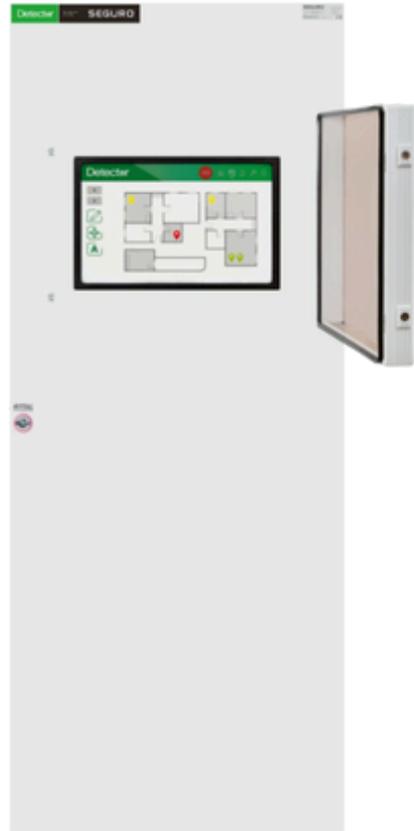## User-friendly monitoring and control

Monitoring is smooth and also accessible via mobile devices. The clear and intuitive touchscreen displays the detectors on a fixed floor plan and highlights alarms with color codes, making it easy to identify and locate disruptions. Additionally, audible and visual alarms help users immediately notice abnormal readings and respond rapidly.

Safety and predictability

Real-time monitoring supports predictive maintenance, making it easier to obtain spare parts and maintain the system. Seguro's trend monitoring and reporting tools enable long-term data analysis so that gas monitoring systems remain consistently operational and reliable.

- **Valvomo**
- **Large and clear display**
- **Long-term trend and report generation**
- **High reliability and safety**
- **Enables predictive maintenance and improves spare part availability**
- **Visual alarms**
- **Detectors shown on the facility's floor plan**
- **Clear and intuitive user interface**
- **Modular and easily configurable**

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SEGURO

XL

L

M

S

SEGURO XL

Height:
2000mm
Width:
800mm
Module slots:
14
Display size:
15 "
Relays:
42 pcs
Gas detectors:
1-84 pcs

SEGURO L

Height:
1200 mm
Width:
800 mm
Module slots:
10
Display size:
15 "
Relays:
30 pcs
Gas detectors:
1-60 pcs

SEGURO M

Height:
760 mm
Width:
760 mm
Module slots:
6
Display size:
15 "
Relays:
18 pcs
Gas detectors:
1-36 pcs

SEGURO S

Height:
300mm
Width:
380mm
Module slots:
2
Display size:
10 "
Relays:
6 pcs
Gas detectors:
1-6 pcs

By adding panels and sub-panels, you can build complete solutions with up to 500 gas detectors.

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SEGURO

Technical Specifications

General:

- Steel enclosure
- Large and clear touchscreen display
- 4 programmable alarm limits for each input channel

Operating voltage:

- 110–230 VAC 50–60Hz
- 24 VDC (20–28 VDC)

Input connections:

- 1–500 channels
- 4–20 mA
- 0–10 V
- 24 VDC digital input

Output connections:

- 1–500 potential-free relay outputs, 230 VAC 6 A for resistive load
- Power output
- Digital output
- Modbus RTU
- Profinet / Profibus
- Other interface options available

Valvomo:

- Wired (Ethernet) or wireless mobile network connection
- User interface languages: Finnish, English
- Map, bar chart, and trend views available

Remote alarms:

- GSM message to phone
- Email

Environmental conditions:

- Operating and storage temperature: –10 to +50 °C
- Ambient humidity: non-condensing 10…90 % RH
- Ambient pressure: standard atmospheric pressure

Enclosure:

- Mounting: wall-mounted
- Material: steel
- Surface finish: powder-coated
- Color: RAL 7035 (grey)
- Ingress protection: IP 54

Standards:

- 2014/35/EU
- 2014/30/EU
- EN 50270:2015
- EN IEC 62368-1:2020
- EN 50271:2018
- CE
- RoHS

Ask our sales team for details about enclosure options and the use of expansion units.

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SEGURO LITE

Seguro Lite brings security you can rely on – simply and efficiently.

Seguro Lite - Compact and reliable gas monitoring panel

Seguro Lite is a simple yet powerful gas monitoring panel designed especially for small and medium-sized sites where reliable safety solutions are essential. It combines easy usability, versatile connectivity, and alert capabilities in a compact form.

The device allows the connection of up to four gas detectors and offers three programmable alarm thresholds for each channel. A clear display, LED indicators, and built-in audio-visual alarms ensure immediate response to deviations.

Seguro Lite can function as a standalone gas monitoring system or be integrated into a broader safety solution, such as Secapp's alert platform. Support for CSM alarms enables extended usage in environments where remote alerts are critical. Note: Seguro Lite is a standalone unit and cannot be connected to the Valvomo remote monitoring system.

Technical Specifications:

General:

- Plastic enclosure
- Clear display
- LED status indicators
- Three programmable alarm thresholds per input channel

Operating Voltage:

- 110–230 VAC 50–60Hz
- 24 VDC (20–28 VDC)

Input Connections:

- 1–4 units
- 4–20 mA

Output Connections:

- 2 potential-free relays, 4–20 mA

Remote Alarms:

- CSM message to phone

User Interface Languages:

- Finnish, English

Environmental Conditions:

- Operating and storage temperature: -10...+50 °C
- Ambient humidity: 10...90 % RH, non-condensing
- Air pressure: normal atmospheric pressure

Enclosure:

- Installation: wall-mounted
- Material: ABS polymer
- Color: RAL 7035 (grey)
- Protection class: IP66
- Dimensions: 259 mm × 237 mm × 97 mm (W × H × D)
- Weight: 1550 g

Standards:

- 2014/35/EU
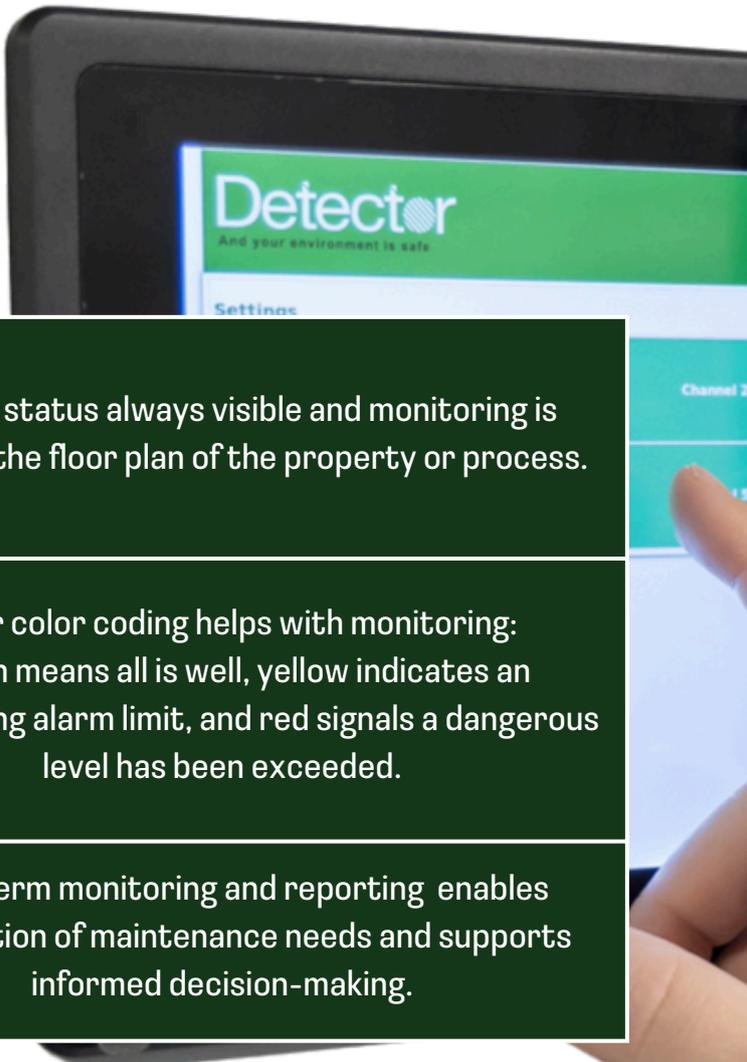- 2014/30/EU
- CE
- RoHS

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VALVOMO - Easy and efficient gas monitoring

Valvomo's graphical user interface is designed to be clear and user-friendly, enabling flexible and efficient device management and reporting. The user sees all monitored areas at a glance, allowing for quick, informed decisions.

Valvomo improves service quality, safety, and operational reliability. The gas monitoring status can be observed in real time from anywhere, and potential faults can be responded to immediately—regardless of time and place.

System status always visible and monitoring is based on the floor plan of the property or process.

Clear color coding helps with monitoring: Green means all is well, yellow indicates an approaching alarm limit, and red signals a dangerous level has been exceeded.

Long-term monitoring and reporting enables anticipation of maintenance needs and supports informed decision-making.

Benefits to the Customer

- Valvomo reduces unnecessary service visits and travel costs, improving cost-efficiency.
- Monitoring from any time or place enables faster response and optimized workflows.
- Continuous real-time monitoring enhances both safety and reliability.
- Reliability and rapid response improve both personnel and customer satisfaction.
- The system operates on computers and mobile devices, ensuring availability at all times.

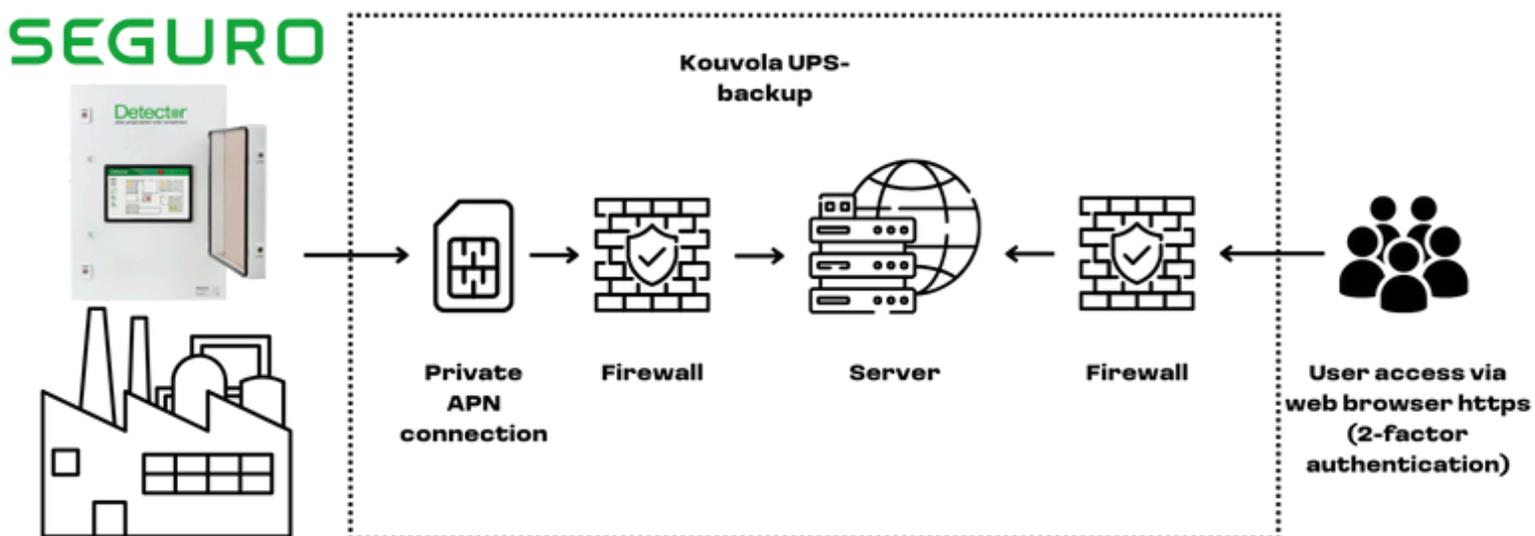## Valvomo brings control and safety right to the user's fingertips!

SEGURO & VALVOMO

Thanks to Valvomo, maintaining the system is effortless. Detector is responsible for software and data security updates, ensuring that the monitoring system is always up to date. Automatic backups guarantee that critical information is secure and recoverable when needed.

Settings for gas monitoring control units can be modified remotely through Valvomo, adding flexibility to system management. The software allows for changes to release settings, adjustment of measurement ranges, and updating of alarm limits and delays to meet site-specific requirements. This reduces the need for physical maintenance visits and eliminates the need for system updates on-site.

Valvomo also supports partial remote maintenance and commissioning, which significantly lowers operational costs. Unnecessary travel expenses are avoided, and resources can be redirected more efficiently to other tasks.

Data security plays a central role in Valvomo. Two-factor authentication ensures that only authorized personnel can access the system. Additionally, the system operates separately from the client's internal network, minimizing potential cybersecurity risks.

System architecture diagram

You can find our other products and accessories at:
www.detector.fi/en

And your environment is safe
Jotta ympäristösi olisi turvallinen