

SST Range

The new standard
in gas detection

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At WatchGas, we watch gas where you can't. Founded in 2018 in Rotterdam, the Netherlands, we design and manufacture gas detection devices that help people work safely in industries around the world. Our mission is clear: build products that safety professionals can genuinely rely on, share our knowledge of gas detection and keep our customers at the center of every decision we make.

From the start, our focus has been on developing practical solutions that address real challenges in the field. Our Rotterdam-based Product Development team brings together experience and technical expertise to design devices that are robust, accurate and simple to use. Each year we expand our range through new introductions and updates that keep pace with emerging applications such as hydrogen detection and fumigation.

Growth through design is central to how we work. By listening closely to safety managers, customers and partners, we ensure our portfolio evolves with their needs. That approach led directly to the SST Range, including the SST1, SST4 Micro, Mini and Pump, built around five requirements we heard consistently from the field: fast detection, clear displays, durable construction, strong alarms and a reliable ecosystem of software and docking stations.

Today, WatchGas products protect workers globally across industries where safety cannot be compromised. Our role is clear: we watch gas, so you and your team can return home safely every day.

Sincerely,

WatchGas Team

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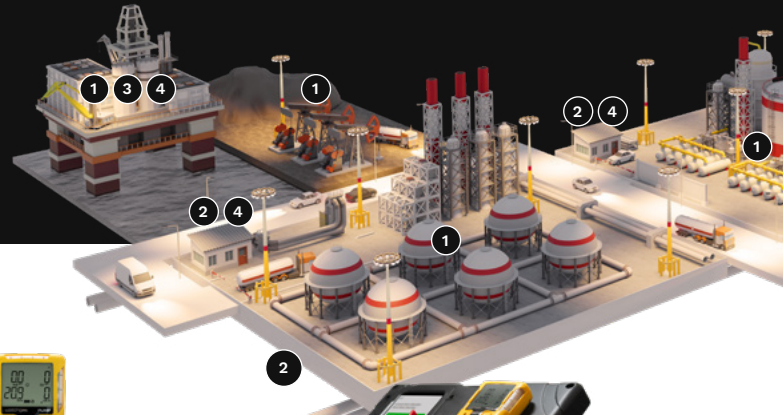


WatchGas SST RTR Web Reporting Software

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SST Range

The Full Solution Overview



Smart Safety, Simplified Compliance

The WatchGas SST RTR (Record to Report) Web Reporting Software unifies all SST Range devices via the SST Dock, Compliance Kiosk and WatchGas Device Link App into a single cloud-based platform. It gives managers instant, data-driven insight into device status, maintenance needs and site performance, helping teams work safer, smarter, and more efficiently.

Key Benefits

- Ultra fast detection
- Automated compliance
- Instant data capture
- Long term exposure insights



1. Worker Protection Always in the Breathing Zone

The SST1 provides up to three years of protection without sensor replacement, eliminating downtime. The SST4 series delivers fast, accurate multi-gas detection with advanced sensors, in devices that are 50% smaller and respond up to 200% faster, in comparison to competitors, for improved emergency response.



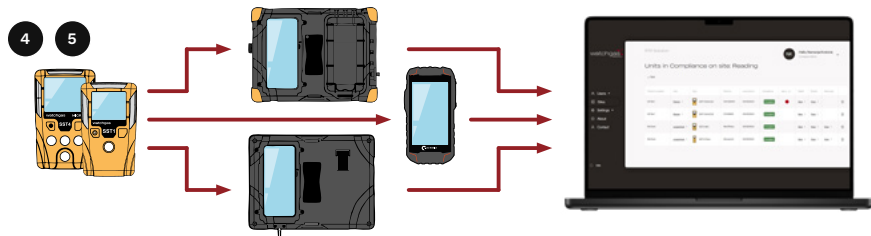
2. Compliance Kiosk Distributed Safety

The Compliance Kiosk decentralizes safety by enabling instant device check-ins, compliance verification, and incident logging at key site locations. Digital records flow directly to management, reducing muster point confirmation times by over 40% (site evacuation checks) and eliminating bottlenecks.



**3. SST Dock
Rapid Calibration, Lower Cost**

The SST Dock performs full calibrations on all SST models and can complete bump tests in 5 to 8 seconds. Gas use is reduced by up to 50% in comparison to manual calibrations, certificates are generated automatically, and all data is sent to the RTR for lower costs and less downtime.



**4. SST RTR Web Reporting Software
Site-Level Control**

RTR captures compliance and exposure data via the Compliance Kiosk, SST Docks and WatchGas Device Link App, with dashboards showing IOELVs, alarms and device health. Predictive Star Ratings enable planned maintenance and fast, audit-ready reporting.

**5. SST RTR Web Reporting Software
Global Oversight Across All Plants**

RTR Main Office consolidates all sites into one dashboard for global visibility of compliance, exposure, and device status. This enables coordinated maintenance, faster audits, and more efficient fleet utilization.

SST Range Features

Every SST device includes a consistent set of core features designed to simplify compliance, improve traceability, and extend operational lifetime. These functions provide a uniform user experience across the entire SST Range, ensuring reliability in daily industrial operations.



Scan protect

Allows the user to set a password so the unit cannot be scanned by an unauthorized WatchGas Device Link App.



Bump and calibration

Calibrations and bump tests can be performed via the WatchGas Device Link App (manual) or SST Dock (automatic). Bump and calibration reminders can be set through the WatchGas Device Link App, Compliance Kiosk or SST Dock. Certificates are stored on the WatchGas Device Link App or SST Dock and sent to the SST RTR Web Reporting Software for easy sharing and site auditing.



Tap compliance

Allows the user to confirm unit functionality and transfer any events and health data into the SST RTR Web Reporting Software.



Compliance indicator

A LED light on the device that will show its status. A green light indicates a compliant device, a red light indicates non-compliant.



Event logs

Event logs are captured and stored in the device. The logs are automatically downloaded when tapped on the WatchGas Device Link App, Compliance Kiosk or SST Dock.



Peak alarm storage

For review later or if needed in an incident report.



Clear warning signals

The entire SST Range features powerful LEDs, a loud audible alarm, and a strong vibration motor that can be felt even through heavy winter gear, ensuring you never miss an alarm.



Maintenance overview

Can be viewed via the WatchGas Device Link App or via the SST RTR Web Reporting Software and shows the health of your fleet allowing for a proactive service schedule.



Assign and unassign users

Fast and easily with the WatchGas Device Link App, Compliance Kiosk and SST Dock. This allows for full fleet traceability, ideal for shutdowns or rental fleets.



Rugged

Double shot molding, waterproof and dust proof housing.



One button operation

Simple user interface and easy to use with a gloved hand.



Easy configuration

No need for wires or setting up a PC, now it is easily done via NFC with the WatchGas Device Link App, Compliance Kiosk and Dock.



Clear display

Larger screen than the next best alternative and backlight gives clear viewing. The screen bumpers protect the screen from scratching due to the smaller sensor profile.

SST RANGE™



SST1

SST4 Micro

SST4 Mini

SST4 Pump





SST1 now with IOELV

(Indicative Occupational Exposure Limit Value)

Worker exposure monitoring reinvented with IOELV

Monitoring long-term gas exposure is traditionally manual and prone to errors. With the SST1, IOELV data is automatically captured through continuous tracking of ppm-hours and peak values, giving teams clear visibility into low-level risks. With automated measurements, NFC-enabled data transfer and built-in reports, the SST1 makes exposure management in industrial settings easier and more efficient.

With IOELVs, you benefit from:

- **Automatic recording** of ppm-hours and daily peak values for full exposure visibility.
- **Proactive risk management** through continuous tracking against safe thresholds.
- **Data-driven decision making** with detailed logs accessible via the WatchGas Device Link App.
- **NFC-enabled logging** for simple, fast, and reliable compliance reporting.
- **Seamless integration** with the WatchGas Device Link App, Compliance Kiosk and the WatchGas SST RTR Web Reporting Software.

Why choose the SST1 with IOELV?

The SST1 transforms exposure monitoring into a smarter, safer, and more efficient process, by replacing paper-based logs with automated NFC data transfer and integrated reporting. Workers are better protected, managers gain powerful insights, and organizations achieve stronger compliance with less effort.

The SST1 Maintenance Free single gas detector offers up to three years of maintenance-free operation for H₂S and CO models, and up to two years for O₂ and SO₂ models. Its straightforward design makes it the ideal choice for users who need reliable protection in a device that is easy to use, durable, and cost-effective.

The SST1 Serviceable offers one of the most cost-effective solutions on the market. With its 3-year replaceable battery and micro sensor technology the SST1 offers a compact and modular design, while not compromising on its ruggedness.

The SST1 Pink: See page 12 for more information.



SST1 - 24 Months

H ₂ S	SST1-H-24
CO	SST1-M-24
O ₂	SST1-O-24
SO ₂	SST1-S-24



SST1 - 36 Months

H ₂ S	SST1-H-36
CO	SST1-M-36



SST1 - Serviceable

H ₂ S	SST1-H
CO	SST1-M
O ₂	SST1-O
SO ₂	SST1-S
CH ₄ S	SST1-MM
H ₂	SST1-H2
High H ₂	SST1-H2HR
NH ₃	SST1-A
PH ₃	SST1-P

SST1 24/36 *(Maintenance Free)*

The SST1 Maintenance Free models deliver dependable gas detection for 24 or 36 months with no servicing required. Combining rugged construction with straightforward operation, these detectors offer predictable, low-maintenance performance while supporting exposure tracking features such as IOELV. This makes them ideal for organizations looking for reliable protection and simplified fleet management.



Scan to learn
more about the
SST1 Maintenance Free



NFC – For effortless setup, data download, and device management.



Configurable – Depending on customers' requirements the device can be tailored.



Runtime – The battery lasts for the amount of months visible on the display (24 or 36 months depending on the model).



Hibernation mode - Can be done via the WatchGas Device Link App, Compliance Kiosk and SST Dock. This extends the lifetime of the instrument.



IOELV – Long term gas exposure data, available in all SST1 models. For more information see page 8.



Cost effective – No service or other costs in between, always ready when needed.

SST1 Serviceable

The SST1 Serviceable is designed for teams that require extended flexibility from their gas detection program. With replaceable sensors and batteries, the device supports long-term use and adapts to changing operational needs. Advanced features such as configurable STEL and TWA values further enhance worker protection during shift-based environments, while maintaining cost-efficiency over a multi-year lifecycle.

Additional features for the SST1 Serviceable +



More sensor options – With options for CH₄S, H₂, High H₂, NH₃, PH₃.



Replaceable battery and sensor – Allowing for more sustainability and lower 5 year costs.



STEL and TWA – Can be set in the SST1 serviceable devices. This data can be reset and is ideal for shift changes.



Scan to learn
more about the
SST1 Serviceable



In actie voor
Pink
Ribbon 



SST1 Pink *Safety with a Purpose*

The SST1 Pink is the only pink portable gas detector combining reliable single gas detection with a mission to support Breast Cancer Awareness. Rugged, precise, and easy-to-use, it protects workers in critical industries while raising awareness. A portion of every sale goes to the Pink Ribbon Foundation. Reliable safety and solidarity in one device.

Available as:

- 2-year Maintenance Free
- 3-year Maintenance Free



The **SST4 Micro** combines a compact, durable design with advanced four-gas detection technology, including micro sensors and an LPC (Low-Powered Catalytic) LEL sensor. The SST4 also supports combined gas configurations, including an H₂S and SO₂ combination. Induction charging and NFC support streamlined daily operations, while maintaining reliable one-week runtime.

The **SST4 Mini** offers similar flexibility, with the choice to select between an HPC (High-Powered Catalytic) or NDIR (Non Dispersive Infrared) LEL sensor depending on application requirements.

The **SST4 Pump** integrates a high-performance sampling pump capable of drawing up to 33 meters / 108 feet, making it ideal for confined space entry, tank sampling, and ship holds. Its rugged housing and sampling accessories help ensure safe and efficient sampling in demanding environments.



SST4 Micro

SST4-MICRO-X10MH-Y (LPC)



SST4 Mini

SST4-MINI-X20MH-Y (HPC)
SST4-MINI-X30MH-Y (NDIR)



SST4 Pump

SST4-PUMP-X40MH-Y (LPC)
SST4-PUMP-X20MH-Y (HPC)
SST4-PUMP-X30MH-Y (NDIR)

SST4 *Micro & Mini*

Using our micro sensors, the SST4 Range is engineered for demanding environments while remaining easy to wear and operate. With configurable sensor options, including H₂S, CO, O₂ and SO₂, the SST4 supports a wide range of applications. LEL detection can be tailored using an LPC (Low-Powered Catalytic), HPC (High-Powered Catalytic) or NDIR (Non Dispersive Infrared) LEL sensor, ensuring compatibility with diverse industrial requirements.



Scan to learn
more about the
SST4 Micro & Mini



Configurable – Depending on customers' requirements the device can be tailored.



Induction charging – By using induction charging, the SST4 eliminates the risk of damage to charging contacts.



STEL and TWA – Monitors short and long term exposure data. Data can be reset on the device. This is ideal for shift changes.



Sensors – Micro sensors with the best-in-class performance regarding temperature and humidity. Flexibility of sensors - H₂S, CO, O₂ and SO₂, ideal for a wide range of applications.



LEL options

Micro:

- LPC (Low Power Catalytic)

Mini:


- HPC (High Power Catalytic)


- NDIR (Non Dispersive Infrared)


SST4 Pump


Confined spaces often present challenges due to heat, contaminants and lengthy permit processes. Slow sampling or pump limitations can add further delays. The SST4 Pump is designed to optimize this workflow, using NFC for faster permit approvals, a durable housing suited for demanding environments, and long-distance sampling capability supported by practical accessories.


Same functionality as the SST4 Micro & Mini +

 **Pump** – In-house designed membrane pump for long-range sample draw. It features a back-up internal filter for additional protection.

 **Inert mode (NDIR only)** – For sampling in gas enriched environments such as ducts and pipes.

 **Diffuse mode** – Can also be used as a diffusion device.

 **Probes** – WatchGas offers a wide range of probes, ball floats and tubing solutions for the SST4 Pump, designed for different applications, from sampling ceilings to monitoring tanks.

 **Bottom hose connection** – Prevents tube kinks and ensures a smooth and reliable sample flow.



Scan to learn
more about the
SST4 Pump



Compliance Kiosk

The WatchGas Compliance Kiosk gives you instant insight into gas detector status, syncing seamlessly with SST RTR Web Reporting Software for complete fleet oversight. It verifies settings, monitors device health, and reduces downtime with preventive maintenance alerts. With built-in Wi-Fi or optional cellular connectivity, it makes data sharing effortless, whether to a laptop, phone, or printer. Users get real-time prompts for required actions, and credentials are automatically uploaded if missing. Event logs are downloaded automatically, giving safety managers quick access to critical data. Wall-mounted or desktop-ready, it's built for flexibility.

PART NR.
SST-KIOSK



Scan to learn
more about the
Compliance Kiosk

1x Compliance Kiosk
5x On/Off key
1x Power supply (SST-RCH)
1x Mounting kit

SST Dock

SST Dock streamlines gas detector maintenance by allowing the whole SST Range to be tested and calibrated in one go: saving time, cutting costs, and boosting productivity. The SST Dock can be used with a continuous power source or calibrate 100 devices on its internal battery, making it ideal for mobile deployments. It automatically logs test results, calibration history, gas levels and expiration dates, making compliance effortless. With remote monitoring, maintenance scheduling, and reporting built in, managing your fleet has never been easier. Standardized and automated calibration ensures error-free results every time. Investing in SST Dock reinforces your commitment to safety and builds a proactive safety culture.

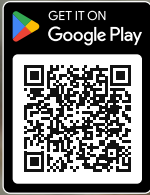
PART NR.
SST-DOCK



- 1x SST Dock
- 5x On/Off key
- 1x Power supply
- 1x Mounting kit
- 3x Male luer 8x5mm
- 1x 1.0m Last-o-More tubing 8x5mm
- 1x Watertrap filter



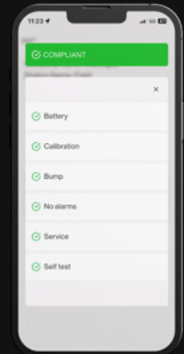
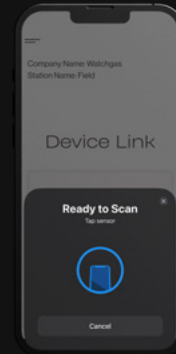
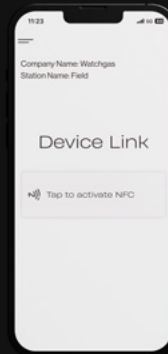
Scan to learn
more about the
SST Dock



Scan to learn
more about the
WatchGas Device Link App

WatchGas Device Link App

The free WatchGas Device Link App makes complex tasks simple and fast. With NFC, you can configure devices without PCs or cables, adjusting alarm set points, enabling features or updating remotely. The app delivers full fleet traceability through Tap Compliance and shows device health with an easy star rating, helping service centers and safety managers stay in control. Event logs can be downloaded on-site and shared instantly via SMS, email or WhatsApp, cutting out unnecessary trips. Fully compatible with the SST Range™, it removes the need for multiple software platforms for single- and multi-gas devices.



WatchGas SST RTR Web Reporting Software

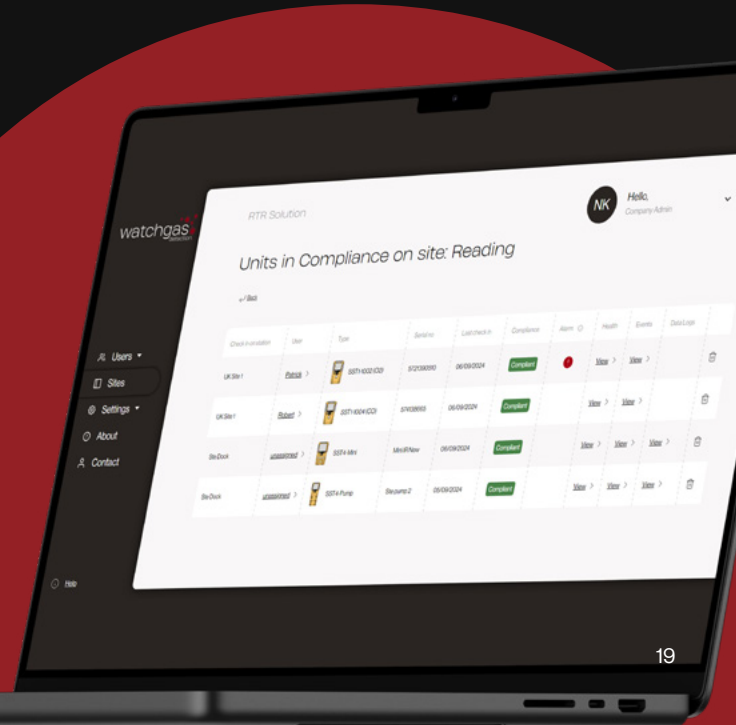
The SST RTR (Record to Report) Web Reporting Software simplifies fleet management by turning complex data into actionable insights. Gain instant visibility on compliance, fleet health, and user traceability across multiple sites. With proactive monitoring, smart reporting, and alert notifications, SST RTR Web Reporting Software reduces downtime and costs while improving safety. Combined with the WatchGas Device Link App, Compliance Kiosk and SST Dock, it ensures seamless integration for maintenance, compliance, and optimized fleet management.

PART NR.
SST-SOFTWARE



Scan to learn
more about the

WatchGas SST RTR Web Reporting Software



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