

# SST RANGE™

The new standard in  
portable 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 a comprehensive portable gas detection portfolio 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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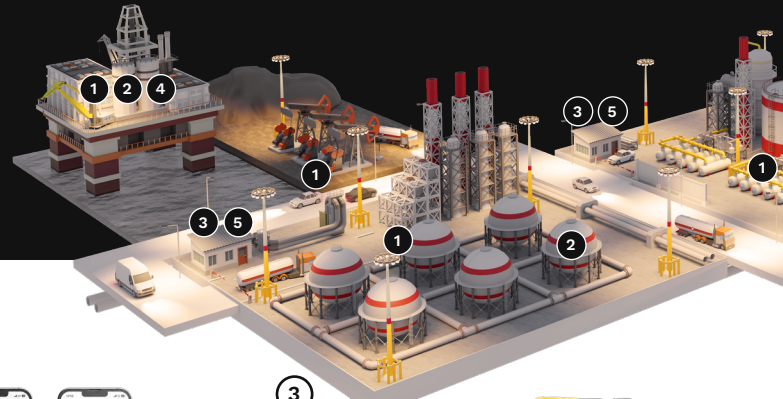
## WatchGas SST RTR Web Reporting Software

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## The Full Solution Overview

### Smart Safety. Simplified Compliance.

Meet the SST Range, a flexible portfolio of high-performing portable gas detectors, value-engineered accessories, and cost-effective data connectivity solutions — all designed and manufactured by WatchGas to meet the unique needs of your industrial application.



### 1. Worker Protection Always in the Breathing Zone

Rugged SST Range portable gas detectors include: single gas maintenance free, single gas serviceable, and multi-gas devices. Designed for comfort so workers easily wear them in their breathing zone, detectors are up to 50% smaller, up to 25% lighter, and enable up to 20 seconds of extra evacuation time for real safety impact.



### 2. Spot Checks with Tubes Go Beyond Standard Gases

When there are high-concentration hotspots or specialty gases to detect, use WatchGas colorimetric tubes for fast, accurate snapshot measurements. Economical simple checks that within seconds become fully traceable, connected compliance data with the Tube App.



### 3. Compliance Kiosk Distributed Safety

By focusing on data transmission tasks, only performed via traditional docking stations, the Kiosk increases compliance and alarm awareness while reducing gas testing bottlenecks. Evacuation drill muster times are reduced by up to 40% when using the kiosk to quickly tap and check in.



## One Platform. Efficient Insight.

Unify your devices using the optional cloud-based reporting hub. Make informed safety/efficiency decisions using data seamlessly captured via the docking station, compliance kiosk and mobile app.

### Key Benefits

- Up to 50% faster detection for quicker evacuation
- Expedited automated compliance
- Seamless data capture for informed decisions
- Long term exposure insights

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### 4. SST Dock Rapid Bump Test, Lower Cost

Up to 50% less test gas used and reduced worker testing bottlenecks with typical 5 second bump tests. Universally compatible with all SST detectors, the SST Dock lowers capital costs. Calibrations are automatically conducted when needed, while built-in diagnostics monitor test gas levels and dock health. Data is automatically uploaded into the RTR Software.

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### 5. 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.

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### 6. SST RTR Web Reporting Software Global Oversight Across All Plants

Enabling coordinated maintenance, expedited audits and efficient fleet management, the RTR Main Office consolidates data from all gas detector fleets in all of your facilities into one dashboard.

# 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 device link.



## 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 can be downloaded via the WatchGas Device Link App, Compliance Kiosk and SST Dock.



## Peak alarm storage

For review later or if needed in an incident report.



## Clear warning signals

For a clear warning signal in every environment. The strong vibration motor can be felt even through heavy winter gear.



## 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 moulding, waterproof and dustproof 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

SST1E

SST4 Micro

SST4 Mini

SST4 Pump

SST5





# SST1 now with IOELV

*(Indicative Occupational Exposure Limit Value)*

## Worker exposure monitoring reinvented

Typical maintenance free single gas detectors alarm at low and high thresholds but offer no STEL or TWA cumulative exposure indicators or detailed gas concentration logging. SST1 Series log ppm-hours and daily peak measurements to provide a more comprehensive view of cumulative occupational exposure and low-level gas trends, including background levels which may signal the early stages of a developing leak.

### You benefit from:

- **Automatic recording** of ppm-hours and daily peak values for improved exposure visibility.
- **Proactive risk management** through continuous monitoring.
- **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 and the WatchGas SST RTR Web Reporting Software.

### Why choose the SST1 with IOELV?

SST1/SST1E detectors capture both background gas information and cumulative exposure without the additional cost of purchasing a more expensive gas detector. This added visibility enables a more proactive approach to managing worker and site safety.

# SST1 Series *Single Gas Detectors*

**The SST1 & SST1E Maintenance Free** single gas detectors provide up to three years of zero maintenance operation. Its simple design makes it perfect for users looking for ultimate protection while being easy to use, durable, and cost-effective. Advanced gas sensors provide up to 20 additional seconds to evacuate.



**SST1 & SST1E  
24 Months**

H <sub>2</sub> S SST1-H-24	H <sub>2</sub> S SST1E-H-24
CO SST1-M-24	CO SST1E-M-24
O <sub>2</sub> SST1-O-24	SO <sub>2</sub> SST1E-S-24
SO <sub>2</sub> SST1-S-24	



**SST1 & SST1E  
36 Months**

H <sub>2</sub> S SST1-H-36	H <sub>2</sub> S SST1E-H-36
CO SST1-M-36	CO SST1E-M-36



**SST1 & SST1E  
Serviceable**

H <sub>2</sub> S SST1-H	H <sub>2</sub> S SST1E-H
CO SST1-M	CO SST1E-M
O <sub>2</sub> SST1-O	O <sub>2</sub> SST1E-O
SO <sub>2</sub> SST1-S	SO <sub>2</sub> SST1E-S
CH <sub>4</sub> S SST1-MM	Cl <sub>2</sub> SST1E-CL2
H <sub>2</sub> SST1-H2	ETO SST1E-ETO
High H <sub>2</sub> SST1-H2HR	HCl SST1E-HCl
NH <sub>3</sub> SST1-A	HCN SST1E-HCN
PH <sub>3</sub> SST1-P	HCN filtered SST1E-HCN-F
	NH <sub>3</sub> SST1E-A
	NO SST1E-NO
	NO <sub>2</sub> SST1E-NO2
	Xs SST1E-XS

**The SST1 & SST1E Serviceable** single gas detectors offer one of the most cost-effective solutions on the market. Equipped with a 3-year replaceable battery, in a rugged compact design, the SST1 and SST1E offer a wide range of interchangeable sensors. Advanced gas sensors provide up to 20 additional seconds to evacuate.

# SST1 24/36 & SST1E 24/36

## Maintenance Free



The SST1 and SST1E 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 & SST1E

## Serviceable

The SST1 and SST1E 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 & SST1E Serviceable +**



**Sensor options** – With options for H<sub>2</sub>S, CO, O<sub>2</sub>, SO<sub>2</sub>, CH<sub>4</sub>S, PH<sub>3</sub>, H<sub>2</sub> (low and high range), HCN (filtered or unfiltered), NO, NO<sub>2</sub>, ETO, Xs, NH<sub>3</sub>, and Cl<sub>2</sub>.



**Replaceable battery and sensor** – Allowing for more sustainability and lower 5 year cost of ownership.



**STEL and TWA** – Can be set in the SST1 & SST1E serviceable devices. This data can be reset. This is ideal for shift changes.



Scan to learn  
more about the  
SST1 & SST1E Serviceable



## 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*



# SST4 Multi-gas Detectors *(Up to 4 Gases)*

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. 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 (110 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**

- MicroLPC (Low Power Catalytic)
- 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.



**Inert mode** – 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



# NEW



5-gas protection,  
4-gas comfort



Scan to learn  
more about the  
SST5

## SST5 Five Gas Detectors

The SST5 sets a new standard in portable five-gas detection, delivering faster evacuations, greater reliability, and lower operating costs in a compact, rugged design. Advanced sensors respond up to 50% faster, giving workers up to an extra 10-20 seconds to evacuate while reducing testing time and gas costs. One of the loudest audible alarms in its class and an extra-large display ensure gas hazards are immediately identified, while 200-hour runtime and leak-free solid polymer gas sensors maximize uptime and operational continuity.



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



**Induction charging** – By using induction charging, the SST5 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 and mini sensors with the best-in-class performance with options for H<sub>2</sub>S, CO, O<sub>2</sub>, SO<sub>2</sub>, HCN (filtered or unfiltered), NO, NO<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub>, ETO, Xs. Ideal for a wide range of applications.



**LEL options**  
- LPC (Low Power Catalytic)  
- NDIR (Non Dispersive Infrared)

# Tubes

Using colorimetric tube technology, the WatchGas Hand Pump enables fast and reliable gas detection across a wide range of applications. Designed for durability and ease of use, it delivers accurate sampling with minimal effort. Combined with the WatchGas RTR platform, measurements are fully digitalized, providing instant access to data, improved reporting, and enhanced operational efficiency.

-  **Digital Storage** – Automatically captures data and simplifies reporting.
-  **Wide Availability** – 120+ tubes available with ongoing expansion.
-  **Simple Use** – Easy to use, even with PPE. No calibration required.
-  **Cost-effectiveness** – Reduces reporting time and operational costs.



# 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 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 auto-loaded 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 multiple devices and cylinders to be tested and calibrated in one go: saving time, cutting costs, and boosting productivity. 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, automated calibration ensures reliable, error-free results every time. Investing in SST Dock reinforces your commitment to safety and builds a stronger, more proactive safety culture.

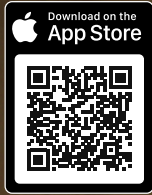
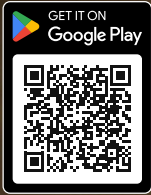
PART NR.  
**SST-DOCK**



- 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

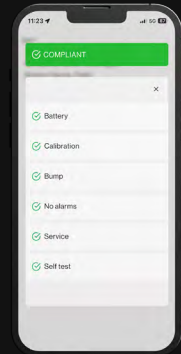
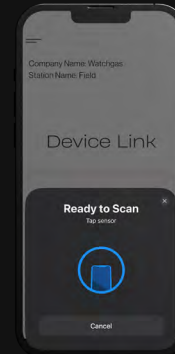
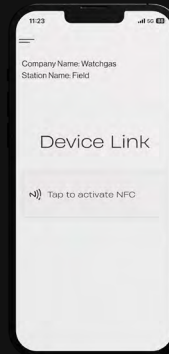


# WatchGas Device Link App

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.



Scan to learn  
more about the  
WatchGas Device Link App



# WatchGas SST RTR Web Reporting Software

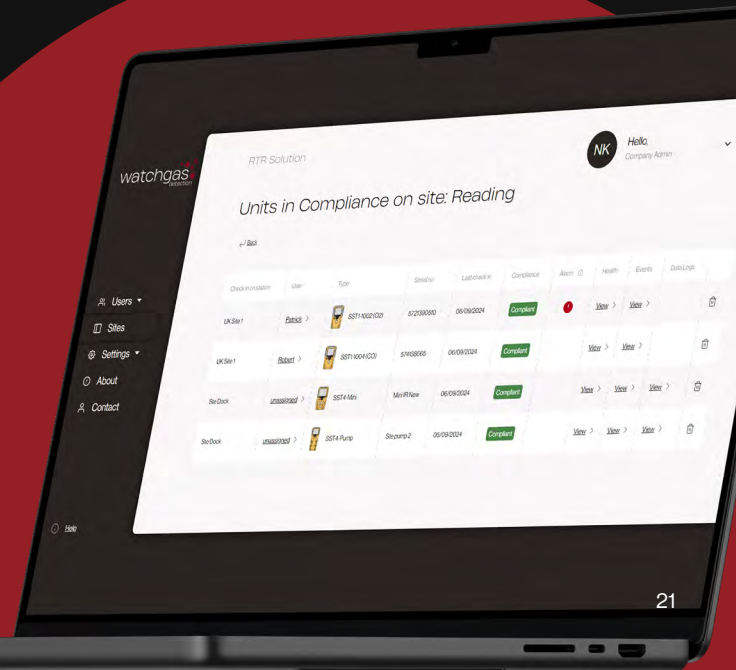
The SST RTR (Record to Report) Web Reporting Software simplifies fleet management by turning complex data into actionable insights. Gain instant visibility on compliance, fleet health, and user traceability across multiple sites. With proactive monitoring, smart reporting, and alert notifications, RTR 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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