



watchgas<sup>TM</sup>  
detection

SST RANGE<sup>TM</sup> 

Catalogue  
v1.1

we watch gas where you can't



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# OUR STORY

We are WatchGas, We Watch Gas where you can't. We strive to be the best at everything we do, from the products we innovate to the way we work and support our partners. We believe by focusing on these core values whilst other manufacturers focus on profit will make us become a worldwide brand for all your gas detection needs. Established in 2018 in Rotterdam, Netherlands,

WatchGas is a manufacturer of Gas Detection Devices and after the success of the first phase has now developed its own range of portable devices to serve a global market from 2023. Our passion is with gas detection and our dedication is with keeping you safe. We strive to make sure We Watch Gas so you come home safely every day.

**“OUR MISSION IS TO BUILD THE BEST PRODUCTS, SHARE OUR KNOWLEDGE OF THE GAS DETECTION INDUSTRY WHILE PUTTING OUR CUSTOMERS AT THE HEART OF ALL WE DO.”**

## OUR KEY PILLARS

#PARTNERSHIP #TRUST  
#SERVICE #KNOWLEDGE  
#TEAMWORK #INNOVATION  
#HARDWORK #SUPPORT  
#FUN





# SST1 SINGLE GAS

Maintenance-free 2 & 3 year – H<sub>2</sub>S / SO<sub>2</sub> / CO / O<sub>2</sub>

- Oil and gas upstream
- Oil and gas downstream
- Contractors
- Site maintenance
- Turn arounds and shutdowns
- Boiler rooms
- Steel plants
- Laboratories
- Shipping
- Power generation
- Mining

The SST1 single gas detectors provides up to three years maintenance-free operation and is available in H<sub>2</sub>S, SO<sub>2</sub>, CO or O<sub>2</sub> models. With its simple design it is perfect for users that are looking for ultimate protection while being easy to use, durable and cost effective. Simply turn on the device and it runs 24/7 for 2 to 3 years – no calibration, no battery replacement no charging and no stress. The device is easy to use and reduces the need for extensive training. The SST1 coupled with the SST Dock allows for the fastest bump testing on the market and makes fleet management extremely simple.

## FEATURES & BENEFITS



### EASY SETUP

Near Field Communication built in as standard allows for a wide range of solutions depending on your needs. Simply pair with the WatchGas App to manage your fleet, bump, calibrate, assign or download event logs. See Tap & Go application note for more information on the benefits of NFC.



### SENSOR

Using the latest in Solid State Technology our H<sub>2</sub>S, CO, O<sub>2</sub>, & SO<sub>2</sub> offer stability and reliability over extreme temperatures and conditions. With its smaller form factor and the removal of traditional Electrolyte allows for a new standard in the single gas market.



### DISPLAY

With the largest LCD in its category, the SST1's display shows months remaining.



### RUGGED

Designed with the harshest environments in mind the SST1 offer an Ingress Protection rating of 67-68. The casing is a double shot housing that gives extra robustness while not compromising on quality. The screen protectors located either side of the display are to protect the LCD from scratching and is required due to the smaller sensor profile.



### ALERT

As a safety device it is essential that the device clearly notifies users of the presence of gas. The SST1 has a 95dB alarm at 30 centimetres which is the industry standard and is required in loud industrial environments. High and Low alarms can be configured by the customer and automatically updated directly on the device or through the SST Dock.



### COST EFFECTIVE

Designed to be zero maintenance and remove the need for calibration the SST1 allows for 2 or 3 years of full up time. No sensor or battery replacements means no hidden costs and a one-year shelf life it is perfect for turn arounds and contractors.

# CONFIGURABLE OPTIONS

- Configuration of high and low alarm set points using SST Dock or the WatchGas App
- Gas reading in remaining months
- User settable bump test reminder
- Compliance check

## SST1 SPECIFICATIONS

Size	83 × 49 × 20 mm (3.3 × 1.9 × 0.8 in)
Weight	88 g (3.1 oz)
Temperature	-40 to +60°C / -40 to +140°F
Humidity	5 - 95 %RH (Non-condensing)
Response time T90	H <sub>2</sub> S, CO, O <sub>2</sub> : < 10 seconds SO <sub>2</sub> : < 55 seconds
Battery life	H <sub>2</sub> S, CO, O <sub>2</sub> , SO <sub>2</sub> : 2 years H <sub>2</sub> S or CO: 3 years depending on the version
Event logging	Last 100 events
IP	IP67-68
Communication	NFC
Shelf life	1 year
Certifications & Approvals	ATEX, IECEx, UKEX II 1 G Ex ia IIC T4 Ga I M1 Ex ia I Ma 0344 Int.Safe: Cl I Dv 1, Gr A,B,C,D T4 CSA C22.2 NO. 60079-0 CAN/CSA C22.2 NO 60079 UL 61010 UL60079-0, UL60079-11 safety requirements CAN/CSA-C22.2 NO 61010-1-12 Low Voltage Directive 2014/35/EU EMC Directive 2014/30/EU
Warranty	One year shelf life then two or three years from activation date depending on device type

## SENSOR SPECIFICATIONS

Sensor	Gas measuring range	Low alarm level	High alarm level	Resolution
2- or 3-year detector H <sub>2</sub> S	0 - 500 ppm	10 ppm	15 ppm	0.1 ppm
2- or 3-year detector CO	0 - 2000 ppm	35 ppm	200 ppm	1 ppm
2 year detector O <sub>2</sub>	0 - 25.0 % by vol.	19.5 %	23.5 %	0.1 vol%
2 year detector SO <sub>2</sub>	0 - 100 ppm	5 ppm	10 ppm	0.1 ppm

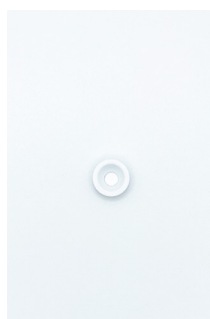
## ACCESSORIES



Gas cylinder



Fixed flow regulator



External filter



SST Dock



# SST1 SINGLE GAS

Serviceable

- H<sub>2</sub>S
- CO
- O<sub>2</sub>
- SO<sub>2</sub>
- CH<sub>4</sub>S
- PH<sub>3</sub>
- NH<sub>3</sub>
- H<sub>2</sub>

- Oil and gas upstream
- Oil and gas downstream
- Contractors
- Site maintenance
- Boiler rooms
- Steel plants
- Laboratories
- Shipping
- Power generation
- Mining
- Turn arounds and shutdowns

The SST1 Serviceable offers one of the most cost-effective solutions on the market. With its replaceable battery and solid polymer sensor technology the SST1 offers a compact and modular design, while not compromising on its ruggedness. The SST1 Serviceable can be configured to your needs with one simple tap of the NFC and paired with the WatchGas Application. Monitoring for Low, High, STEL and TWA the SST1 will indicate any immediate risks but also the long-term exposure to toxic gases.

## FEATURES AND BENEFITS



### EASY SETUP

Near Field Communication built in as standard allows for a wide range of solutions depending on your needs. Simply pair with the WatchGas App to manage your fleet, bump, calibrate, assign or download event logs. See Tap & Go application note for more information on the benefits of NFC.



### SENSOR

Using the latest in Solid Polymer Sensor Technology our different target gases, offer stability and reliability over extreme temperatures and conditions. With its smaller form factor and the removal of traditional Electrolyte is setting a new standard in the single gas market.



### DISPLAY

With the largest LCD in its category the SST1's display shows the Real Time Gas Reading and TWA and STEL alarms. This allows for the user to make quicker decisions in a gas alarm environment. Bumper screens either side of the LCD provide anti scratch protection ensuring the clearest of readings.



### RUGGED

Designed with the harshest environments in mind the SST1 offer an Ingress Protection rating of 67-68. The casing is a double shot housing that gives extra robustness while not compromising on quality. The screen protectors located either side of the display are to protect the LCD from scratching and is required due to the smaller sensor profile.



### ALERT

As a safety device it is essential that the device clearly notifies users of the presence of gas. The SST1 has a 95dB alarm at 30 centimetres which is the industry standard, and is required in loud industrial environments. High and Low alarms can be configured by the customer and automatically updated directly on the device or through the SST Dock.



### SERVICEABLE

The SST1 real time monitor is a cost efficient solution for users with STEL, TWA and real time requirements. SST1 real time allows users to replace battery and sensors to maximize the lifetime of the unit. Press and hold the button for 10 sec to reset TWA/STEL for worker shift change.

# CONFIGURABLE OPTIONS

- Configuration of high and low alarm set points using SST Dock or the WatchGas App
- Real Time Gas reading, TWA and STEL alarms
- User settable bump test reminder and cal reminder
- Compliance check

## SST1 SERVICEABLE SPECIFICATIONS

Size	83 × 49 × 20 mm (3.3 × 1.9 × 0.8 in)
Weight	88 g (3.1 oz)
Temperature	CO, H <sub>2</sub> S, O <sub>2</sub> SO <sub>2</sub> : -40°C to +60°C (-40°F to +140°F) / Others: -20°C to +50°C (-4°F to +122°F)
Humidity	5 - 95 %RH (Non-condensing)
Response time T90	H <sub>2</sub> S, CO, O <sub>2</sub> , PH <sub>3</sub> H <sub>2</sub> : < 10 sec CH <sub>4</sub> S: <40 sec SO <sub>2</sub> : <55 sec NH <sub>3</sub> : <130 sec Other sensors may vary
Battery life	O <sub>2</sub> : 2 years H <sub>2</sub> S, CO, SO <sub>2</sub> , NH <sub>3</sub> , H <sub>2</sub> , PH <sub>3</sub> , CH <sub>4</sub> S: up to 3 years, dependent on gas alarms
Event logging	Last 100 events
IP	IP67-68
Communication	NFC
Shelf life	1 year
Certifications & Approvals	ATEX, IECEx, UKEX II 1 G Ex ia IIC T4 Ga I M1 Ex ia I Ma 0344 Int.Safe: CI I Dv 1, Gr A,B,C,D T4 CSA C22.2 NO. 60079-0 CAN/CSA C22.2 NO 60079 UL 61010 UL60079-0, UL60079-11 safety requirements CAN/CSA-C22.2 NO 61010-1-12 Low Voltage Directive 2014/35/EU EMC Directive 2014/30/EU
Warranty	Instrument: 3 years Battery: 2 years based on 1 min of alarm per day Sensors: NH <sub>3</sub> , CH <sub>4</sub> S, PH <sub>3</sub> : 1 year H <sub>2</sub> S, CO, O <sub>2</sub> , SO <sub>2</sub> , H <sub>2</sub> : 2 years

NOTE: Battery lifetime is based on low power mode, depending on usage and functions they may be reduced.

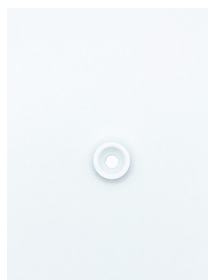
## ACCESSORIES



Gas cylinder  
*Ask for availability*



Fixed flow Regulator stainless Steel 715 0.5LPM  
PN: **A0299024**  
Fixed flow Regulator 715 0.5LPM (Brass)  
PN: **A0195339**



WatchGas SST1 External filters  
Pack of 10: **SST1-XF-10**  
Pack of 100: **SST1-XF-100**



WatchGas SST Docking Station for SST1/SST4/SST4 Pumped Touch screen PN: **SST-Dock**

## SENSOR SPECIFICATIONS

Sensor	Gas measuring range	Low alarm level	High alarm level	STEL	TWA	Resolution
H <sub>2</sub> S	0 - 500 ppm	10 ppm	15 ppm	15 ppm	10 ppm	0.1 ppm
CO	0 - 2000 ppm	35 ppm	200 ppm	100 ppm	20 ppm	1 ppm
O <sub>2</sub>	0 - 25.0 % by vol.	19.5 %	23.5 %	-	-	0.1 vol%
SO <sub>2</sub>	0 - 100 ppm	5 ppm	10 ppm	5 ppm	2 ppm	0.1 ppm
NH <sub>3</sub>	0 - 100 ppm	25 ppm	50 ppm	35 ppm	25 ppm	0.1 ppm
H <sub>2</sub>	0 - 1000 ppm	100 ppm	400 ppm	-	-	1 ppm
CH <sub>4</sub> S	0 - 100 ppm	2 ppm	5 ppm	1 ppm	0.5 ppm	0.1 ppm
PH <sub>3</sub>	0 - 20 ppm	3 ppm	10 ppm	4 ppm	2 ppm	0.01 ppm

\*All alarm levels can be set using the WatchGas App



# SST4 MICRO & SST4 MINI

Multi-gas device

- Oil and gas upstream
- Ship building
- Manufacturing
- Steel production
- Shipping
- First responders
- Wastewater
- Power generation
- Telecommunications

As many industries move from single gas to a multigas approach it is important for end user adoption. The SST4 range is designed with simplicity, size and with the user in mind. With its compact yet rugged design the SST4 is there when you need it. From use in the hot temperatures of the steel industry or Hazmat user to the extreme environments found in the Oil and Gas industry. With a wide range of user options, the SST4 can be tailored for a wide range of applications. Simple set up of the device by using the WatchGas App, calibration, and bump test records. With Compliance check it has never been easier to manage, maintain and ensure maximum up time of your fleet of devices. An induction charger for your device is included in the box.

## FEATURES AND BENEFITS



### WIRELESS CHARGING

In dirty and harsh environments that gas detectors are often used in many charging connectors become damaged. SST4 has been designed with induction charging allowing for simple and quick charging with no risk of cables and ports becoming damaged and failing. A complete charge cycle takes 2-3 hours. Different charging accessories are available within the portfolio.



### NFC

Near Field Communication built in as standard and allows for a wide range of solutions depending on your needs. Simply pair SST4 with the WatchGas SST Application to manage your fleet, bump, calibrate, assign, or download event logs and data logs.



### DISPLAY

With the largest LCD in its category the SST4 display ensures information is displayed clearly and allows users to make quick decisions. Four gases can be displayed with clarity and shown in PPM, %vol, mg/m3 and %LEL. Correction factors can be set through the WatchGas SST Application and allows for a one to one reading for the target gas required. With its Backlight it can be used in dark environments and will be illuminated in an alarm occasion.



### SENSOR

Using the latest in Solid State Technology our H<sub>2</sub>S, CO, O<sub>2</sub> and SO<sub>2</sub> offer stability and reliability over extreme temperatures and conditions. Toxic sensors have a smaller form factor and with the removal of liquid electrolyte provides a long-lasting sensor. A choice of 3 different LEL sensors allows the buyer to tailor the device to your application and allows longer runtimes compared to conventional technology.



### ALERT

As a safety device it is essential that the device clearly notifies users of the presence of gas. The SST4 has a 95dB alarm at 30 centimetres which is the industry standard and is required in loud industrial environments. High, HighHigh, Low, Low-Low, TWA and STEL alarms can be configured by the user and updated directly on the device through the SST Dock or WatchGas SST App.



### RUGGED

Designed with the harshest environments in mind the SST4 offers an IP rating of 65-68. The casing is a double shot housing that gives extra robustness while not compromising on quality. The screen protectors located either side of the display protect the LCD from scratching.

# SPECIFICATIONS

Size	SST4 Micro: 103.9mm x 62.4mm x 26.1mm SST4 Mini: 107.9mm x 62.4mm x 26.1mm *Dimensions are stated without alligator clip. Please add 4mm in depth for dimensions with alligator clip.
Weight	SST4 Micro: 184g SST4 Mini: 188g
Operating Temperature	-40 to +60°C / -40 to +140°F
Humidity	5% - 95% RH (non-condensing)
Typical battery life	SST4 Micro: LEL Low Power Catalytic – 48hr SST4 Mini: LEL Catalytic Bead Sensor – 13hr SST4 Mini: LEL NDIR – 200hr
Induction Charger	2-3 hours
Event logging	100 events
Data logging	6 months
IP	65/68
Communication	NFC
Calibration	6 months as industry standard
Certifications & Approvals	<p>North America: - SST4 Micro / SST4 Mini (non-IR) Class I Division 1 Group A,B,C,D T4 US: Class I Zone 0 AEx ia IIC T4 Ga Canada: Ex ia IIC T4 Ga</p> <p>- SST4 Mini (IR) Class I Division 1 Group A,B,C,D T4 US: Class I Zone 0 AEx ia op is IIC T4 Ga Canada: Ex ia op is IIC T4 Ga</p> <p>ATEX/IECEx/UKEX LEL-LPC and LEL-CAT    LEL-IR sensor II 1 G Ex ia IIC T4 Ga    II 1 G Ex ia op is IIC T4 Ga I M1 Ex ia I Ma    I M1 Ex ia op is I Ma -40°C ≤ Tamb ≤ +60°C    -40°C ≤ Tamb ≤ +60°C</p> <p>EN 50270:2015+AC:2016, EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1, RoHS EN63000:2018</p>
Warranty	2-year warranty as standard

# SENSOR SPECIFICATIONS


Sensor type	Range	Resolutions	Low Alarm	High Alarm	TWA	STEL
O <sub>2</sub>	0-25% vol	0.1% vol	19.50%	23.50%	N/A	N/A
LEL Low Power Catalytic (SST4 Micro)	0-100% LEL	1%LEL	10%	20%	N/A	N/A
LEL CAT LEL Catalytic Bead (SST4 Mini)	0-100% LEL	1%LEL	10%	20%	N/A	N/A
LEL Non-Dispersive Infrared Sensor (SST4 Mini)	0-100% LEL	1%LEL	10%	20%	N/A	N/A
CO	0-2000 ppm	1 ppm	35 ppm	200 ppm	20 ppm	100 ppm
H <sub>2</sub> S	0-500 ppm	0.1 ppm	10 ppm	15 ppm	10 ppm	15 ppm
SO <sub>2</sub>	0-100 ppm	0.1 ppm	5 ppm	10 ppm	2 ppm	5 ppm

Factory alarm set points can be set to user requirements using SST Dock and WatchGas SST Application.

# ACCESSORIES



**External filter**  
P/N: SST-MICRO-XFIL-10  
P/N: SST-MINI-XFIL-10



**SST4 lanyard bar**  
(sold separately)  
P/N: SST4-POUL-10



**Universal cradle charger for SST Range**  
P/N: SST-IND-S



**Aspirator bulb/pump with flow control for diffusion models**  
P/N: 7189201  
Advised to use with Last-o-More tubing



**WatchGas SST Range 5-Way Stackable Charging Cradle**  
P/N: SST-STACK-CHR  
(Extra's are needed)



**SST4 Micro/Mini aluminium kit**  
P/N: 460039



**SST Dock**  
P/N: SST-DOCK



**WatchGas SST RTR Web Reporting Software**  
P/N: SST-Software



# SST4 PUMP

Four-gas pumped gas detector with optional diffusion mode

- Confined Spaces
- Mining
- Industrial Sites
- Storage Tanks
- Utility Networks
- Ship Holds and Engine Rooms
- Sewage Networks
- Food Production

## FEATURES AND BENEFITS

Confined spaces often pose a challenge not just in the harsh environment with high temperatures, chemicals, and dirt, but also in the time it can take to get a permit to work. These can take many hours, with slow sampling and issues occurring due to harsh environments, like blocked pumps or sticky gases requiring longer sampling times. The SST4 Pump has been designed to speed up the permit-to-work process by utilizing the NFC feature and allowing the flow of data and information to ensure faster signing off the confined space. It has also been designed with harsh environments in mind, with its 95dB audible alarm at 30 cm, rugged housing, up to 33-meter sampling, and accessories that make the job easier and faster.

### DISPLAY

A large and clear display allows for quick decision-making and sample recording. The screen displays up to four gases simultaneously and is designed with our user in mind. Whether in a dark, confined space or outside in bright sunlight. The backlight allows clear visibility in dark, confined spaces or when working at night. It is activated when gas is present or with a simple push of the button.

### NFC

Near-field communication is built in as standard, allowing for a wide range of solutions depending on your needs. Pair with the WatchGas SST Application to manage your fleet, bump, calibrate, assign, or download event logs and data logs, or even use them as part of your confined space process. Pair with any mobile phone or our partners, i.Safe, for intrinsically safe tablets and phones.

### WIRELESS CHARGING

In dirty and harsh environments that gas detectors are often used in many charging connectors become damaged. SST4 Pump has been designed with induction charging allowing for simple and quick charging with no risk of cables and ports becoming damaged and failing. A complete charge cycle takes 5-6 hours. Different charging accessories are available within the portfolio.

### RUNTIME

The runtime is very important for confined space monitors, as traditional devices with a pumped unit draw a lot of power and struggle to last an entire shift. Based on an 8-hour working day, we designed the SST4 Pump device to run for six working days with the low power catalytic sensor and 12 working days with the infrared sensor. This will allow for more uptime doing permits for confined space entry rather than downtime charging devices.

### ERGONOMIC DESIGN

The ergonomic design of a handheld device is essential as these devices can be used over a long shift. The slim design and considered weight distribution ensure that the device will sit in the hand and not cause fatigue during a shift. The SST4 Pump can also be worn as a diffusion device. The hose has a bottom connection. The industrial-strength alligator clip makes wearing easy.

### ACCESSORIES

Confined spaces take many different forms, and because of this, we have designed several probes, ball floats, and tubing solutions. Conventional solutions must often be designed with the user and application in mind. Our solutions range from sampling ceilings to taking samples in liquid tanks. Also, look at our other accessories for charging, better-wearing solutions, or filtering.

# SPECIFICATIONS

Size	150 x 62.2 x 32.4 mm (5.9x 2.4 x 1.3 in.) *Dimensions are stated without alligator clip. Please add 4mm (0.16 in.) in depth for dimensions with alligator clip
Weight	275 g (6.3 oz.)
Operating Temperature	-20 to +60°C (-4 to +140°F)
Humidity	5% - 95% RH (non-condensing)
Typical battery life	SST4 Pump LPC Low Power Catalytic: 50hr SST4 Pump HP LEL: 18hr SST4 Pump IR: 100hr
Induction Charger	5-6 hours
Event logging	100 events
Data logging	6 months
IP	65/68
Communication	NFC
Calibration	6 months as industry standard
Certifications & Approvals	<p>North America: Class I Division 1 Group A,B,C,D T4 US: Class I Zone 0 AEx ia IIC T4 Ga Canada: Ex ia IIC T4 Ga</p> <p>ATEX/IECEX/UKEX LEL-LPC and LEL-CAT    LEL-IR sensor II 1 G Ex ia IIC T4 Ga    II 1 G Ex ia op is IIC T4 Ga I M1 Ex ia I Ma            I M1 Ex ia op is I Ma -20°C ≤ Tamb ≤ +60°C    -20°C ≤ Tamb ≤ +60°C</p> <p>EN 50270:2015+AC:2016, EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1, RoHS EN63000:2018</p>
Warranty	2-year warranty as standard

# SENSOR SPECIFICATIONS

Sensor type	Range	Resolutions	Low Alarm	High Alarm	TWA	STEL
O <sub>2</sub>	0-25% Vol	0.1% vol	19.50%	23.50%	N/A	N/A
LEL Low Power Catalytic	0-100% LEL	1 %LEL	10%	20%	N/A	N/A
LEL CAT LEL Catalytic Bead	0-100% LEL	1 %LEL	10%	20%	N/A	N/A
LEL Non-Dispersive Infrared Sensor	0-100% LEL	1 %LEL	10%	20%	N/A	N/A
CO	0-2000 ppm	1 ppm	35 ppm	200 ppm	20 ppm	100 ppm
H <sub>2</sub> S	0-500 ppm	0.1 ppm	10 ppm	15 ppm	10 ppm	15 ppm
SO <sub>2</sub>	0-100 ppm	0.1 ppm	5 ppm	10 ppm	2 ppm	5 ppm

Factory alarm set points can be set to customer requirements using SST Dock and WatchGas SST Application.

# ACCESSORIES



**Ballfloat**  
P/N:7182112



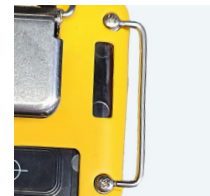
**Universal cradle charger for SST Range**  
P/N:SST-IND-S



**Last-o-More tubing**  
available per meter  
5x8mm P/N: 411-0018-039  
3x5mm -P/N:411-0018-038



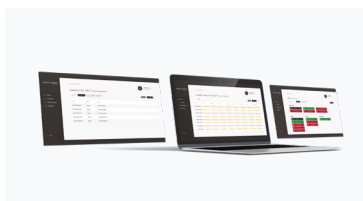
**WatchGas SST Range 5-Way Stackable Charging Cradle**  
P/N: SST-STACK-CHR  
(Extra's are needed)



**SST4 Lanyard bar**  
(sold seperately)  
P/N:SST4-POUL-10



**SST Range probe**  
P/N:SST-PROBE  
Advised to use with Last-o-More per meter (not included)



**WatchGas SST RTR Web Reporting Software**  
P/N: SST-SOFTWARE



**SST Dock**  
P/N:SST-DOCK



# SST DOCK

Bump, Calibration and Configuration station compatible with full SST Range

The SST Dock is an automated test station that allows Bump and Calibration testing and is compatible with the full SST Range in one module. It has the capability to be connected via Wi-Fi, BLE or Cellular and allows for desk, wall and hard case mounted dependent on your application.

## FEATURES AND BENEFITS



### EASY SETUP

SST Dock is designed with ease of use in mind. Easily assign gas cylinders with the NFC reader and this will input the Span Values, Lot Numbers and Expiry dates directly into the SST Dock. Also with the touch screen display it allows you to configure the SST Dock to tailor it to your needs. The SST Dock provides easy unit set up features so no PC needed for product changes.



### RAPID BUMP

SST Dock enables three levels of bump testing. These levels are 50, 70 and 90% of gas and gives you the option to test units in seconds, saving you in test gas costs. These results are all saved in the SST Dock and if connected can be shared via mail or seen in the WatchGas Software.



### CONNECTIVITY

SST Dock offers a wide range of connectivity. The docking station can be a standalone system and information can be sent via email to a printer or laptop or phone. If you want the system to be connected, then you can connect directly to a WI-FI network, or the device can be fitted with a Sim card allowing for connectivity to a cellular network. This makes sending reports and data super easy.



### PLATFORM DESIGN

It was important for us and our customers to have a system that was designed to take all SST units. We have achieved this and with one module you can bump, calibrate, and configure the SST1, SST4 Micro & SST4 Mini, SST4 Pump and SST5. This reduces the size of the docking system and reduces costs of having individual modules.



### LOW GAS NOTIFICATION

Docking Stations are a critical part of a site's operation and can't afford to be down due to gas running out. The SST Dock comes with a pressure regulator that will indicate when gas is running low or coming to its expiry date. This means you can take a proactive approach and always ensure your systems have gas to allow for daily testing.



### MOUNTING OPTIONS

We understand that different application requires docking stations to be located in a era of environments. The SST Dock comes with brackets that allow for wall mounting and will hold one cylinder in a tidy fashion. It can also be tailored for desktop use or as a mobile device in a hard case and up to 100 calibrations can be done of one battery charge.

# SOFTWARE

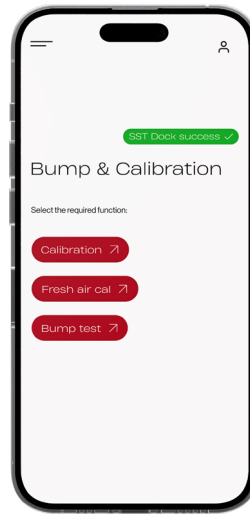
SST Dock is Bump, Calibration and configuration station that is designed to carry out daily compliance checks of your gas detection fleet or for use as a service provider that have a large customer fleet to maintain. The SST Dock is compatible with SST1, SST4 (all models), SST4 Pump and SST5 meaning one docking solution for your entire fleet and reducing infrastructure costs.

SST Dock also offers full flexibility, allowing for a stand-alone solution where the data can be captured and interrogated, either at a dock level or can be connected to the WatchGas cloud-based software. This software allows you to have a full overview of your fleet and be notified of non-compliances, from bump and calibration expiries, gas alarms or even showing when test gas is running low. With options for the system to be used on a desk, wall mounted or portably in a hard case giving you up to 100 calibrations from one charge it has never been easier to ensure the up time of your gas detection fleet.

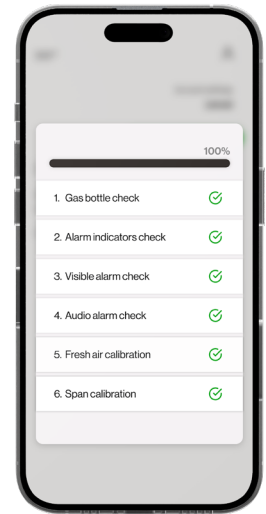
This compact yet rugged solution can be tailored from a simple bump test station through to a sophisticated connected test station giving you constant updates of your fleet health and compliance status.

# SST DOCK SPECIFICATIONS

Dimensions (LxWxH)	28 x 21 x 10 cm (11 x 8.2 x 4 in.)
Weight	1.8 kg (63.5 oz.)
Temperature	+5-40 °C
Humidity	10% to 90% RH
Storage Temperature	0-50 °C
Power Supply	12 V 1,5 A
Real Time Clock	Yes, updateable
Data Storage	More than 1 year of operation
Connection capability	Wi-Fi, Cellular, BLE – Connected into the Cloud and WatchGas App
Gas inlets	Fresh air inlet, 2 Gas inlets and one purge
Testing Function	Bump Test, Calibration (optional), Device Configuration and Data Download. Also tests device Alarms, Visual LED's
Device Compatibility	One module compatible with SST Range
Certifications & Approvals	EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU FCC Part 15 RoHS Directive 2011/65/EU RED 2014/53/EU
Warranty	2 years



Home screen



Calibration

# ACCESSORIES



Gas cylinder



Pressure sensor



Last-o-More



Hard case

# COMPLIANCE KIOSK

## Compliance, Fleet Health, Event Collection



The WatchGas Compliance Kiosk works as a terminal to allow the user to check in the gas detector providing a full overview of the device status and any unforeseen events. The WatchGas Compliance Kiosk automatically sends all data to a designated software site. This provides a cost effective overview of fleet health, predictive maintenance, events and alarms.

Furthermore, the WatchGas Compliance Kiosk provides the capability to actively manage the detector settings and user assignments.

## FEATURES AND BENEFITS



### CONFIGURATION VERIFICATION

The Compliance Kiosk has the capability to check the gas detector settings such as function setting, alarm limits, and assigned User ID against a system reference file set up by the system administrator. Allowing the system to validate that the unit is set up correctly and a calibration bump test has been performed for the company's safety process.



### HEALTH CHECK

The Compliance Kiosk reads the product's health and reports it to the RTR Solution Compliance Watch, providing a unique preventive maintenance schedule and reducing downtime. The data includes battery status, sensor status, hardware, and firmware status.



### CONNECTIVITY

The Compliance Kiosk offers a wide range of connectivity options. It can be set up as a standalone system, where information can be sent via email to a printer, laptop, or phone. If you want the system to be connected, you can connect directly to a WI-FI network, or the device can be fitted with a Sim card to connect to a cellular network. This makes sending reports and data super easy.



### ACTION CONFIRMATION

The Compliance Kiosk will alert the user if their detector needs any form of attention such as predictive maintenance, bump, or calibration. The system can verify if a User ID has been assigned to a gas detector and allow updates to be made that will automatically load onto that detector.



### EVENT COLLECTION

The Compliance Kiosk will automatically download the event log from a gas detector, store it locally, and send it to the RTR Solution if activated (software sold separately), providing a quick and simple overview for management.



### MOUNTING OPTIONS

We understand that different applications require equipment to be located in a variety of environments. The Compliance Kiosk comes with brackets that allow it to be tailored for wall mounting or desktop use.

# COMPLIANCE KIOSK AND RTR SOLUTION

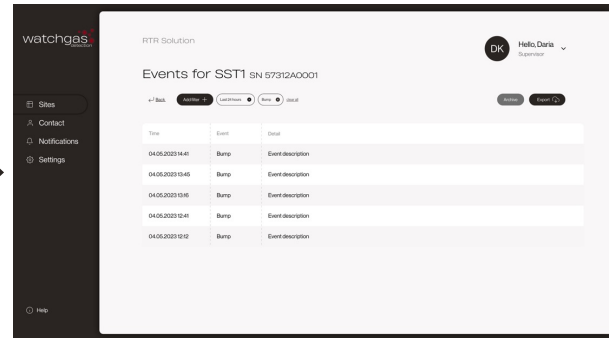
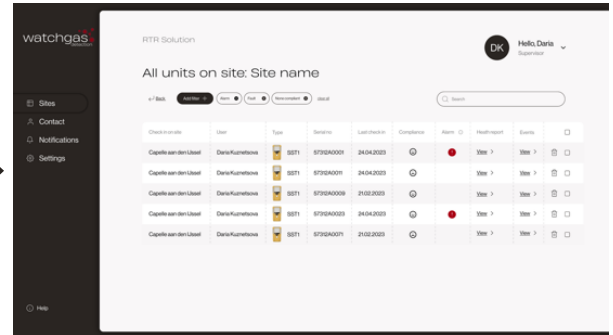
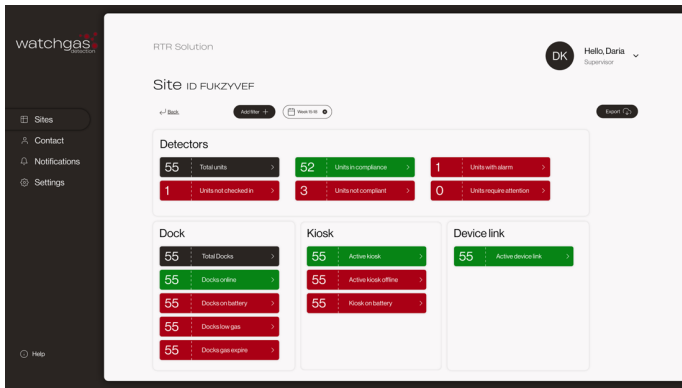
The Compliance Kiosk is designed to carry out compliance checks of your gas detection fleet or can be used by a service provider with a large customer base to maintain. The kiosk is compatible with the SST1, SST4 (all models), and the SST5. This means one kiosk can read your entire fleet and reduce your infrastructure costs. It allows users to facilitate regular check-ins without costly calibration or bump stations, to handle simple tasks such as detector location, compliance and if an alarm event has occurred.

What does a safety manager want to know:

- Do the monitors work and are they being used?
- Did we have any alarms on-site?
- Are we following the company's safety procedures?
- What is the status of my fleet?
- Will I have unforeseen expenses?



Compliance Kiosk pushes data to RTR solution

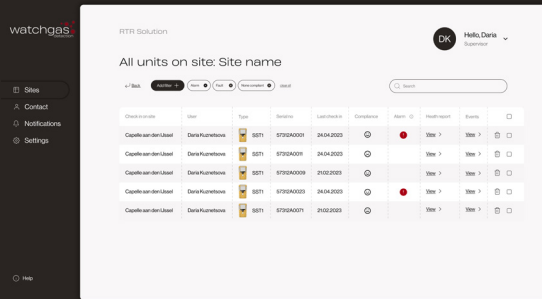


## SPECIFICATIONS

Dimensions (LxWxH)	28 x 21 x 4 cm (11 x 8.25 x 1.5 in)
Weight	800 g (1.76 lb)
Temperature	+5-40 °C (40-104° F)
Humidity	10% to 90% RH
Storage Temperature	0-50 °C (32-122° F)
Power Supply	USB C 5V
Real Time Clock	Yes, updateable
Data Storage	More than 1 year of operation
Connection capability	Wi-Fi, Cellular, BLE – Connected into the RTR COMPLIANCE WATCH
Testing Function	Device status
Device Compatibility	One module compatible with SST Range
Certifications & Approvals	EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU FCC Part 15 RoHS Directive 2011/65/EU RED 2014/53/EU
Warranty	2 years

# WATCHGAS SST RTR WEB REPORTING SOFTWARE

## Alarm notification



The Record To Report (RTR) solution is an easy-to-use, cost efficient software solution that provides a wide span of features. These include fleet management, fleet status, gas alarms, predictive service notification, email alerts, event logs and unit assignment. Furthermore it allows the safety manager to utilize the SST Range compliance check function to ensure the units are in use.

WatchGas SST RTR Web Reporting Software provides essential information for safety managers, fleet managers and service teams. This enables them to respond quickly to any alarm events, monitor the health of all devices and ensure the usage of devices by employees. This software allows users to create multiple sites, define action levels and notifications.

## FEATURES AND BENEFITS



### What does a safety manager want to know?

Do the monitors work?  
Are they being used?  
Have there been any alarms on site?  
Are we following company procedures?  
What is the status of my fleet and will I have any unforeseen expenses?



### System overview

Quantity of units  
Easy reporting  
Multiple site capability  
User multilevel capability  
Compatible with Device link, Compliance  
Kiosk and the SST Dock



### Alarms

Overview of Alarms  
Event logs  
Low gas alarm  
Infrastructure devices on battery



### Service: "Needs Attention" list

Monitor product health  
User selectable action levels  
Automated notification so the service department knows what parts to have on stock



### Compliance check

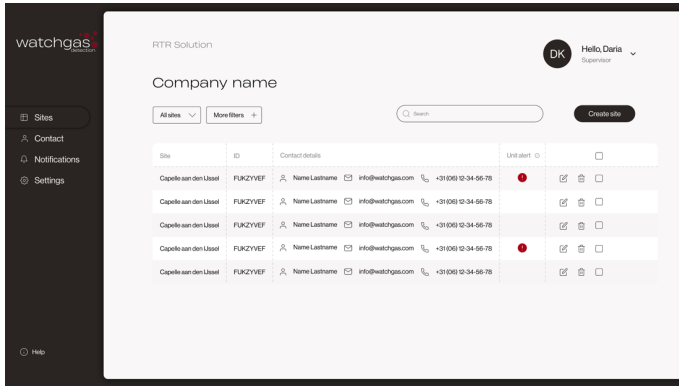
User selectable check interval.  
No gas, No dock needed.  
Is the unit in service?



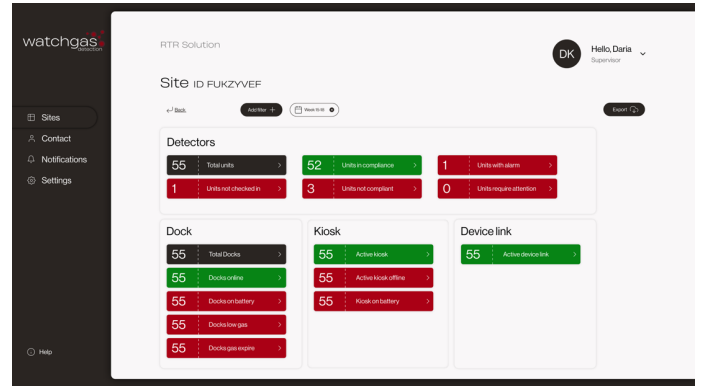
### Web based

Online 24/7  
Full backup daily  
SSL certificate (protocol security)  
Hosted in North America or Europe

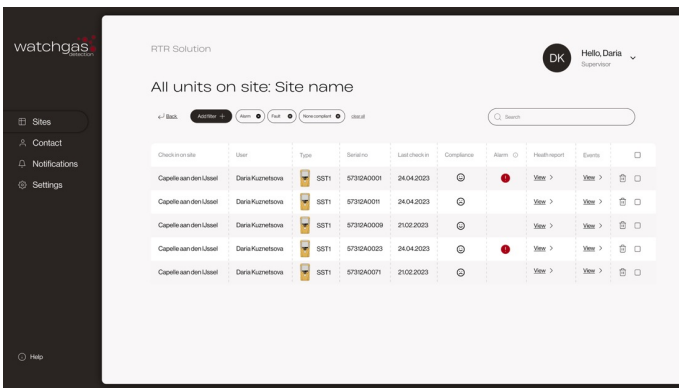
# Overview



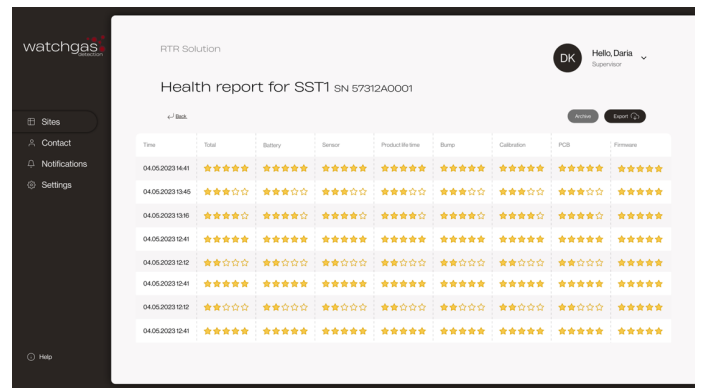
The Company Page shows a quick overview of all sites. The Company Admin can set user to limit access and fully tailor the solution to their company needs.



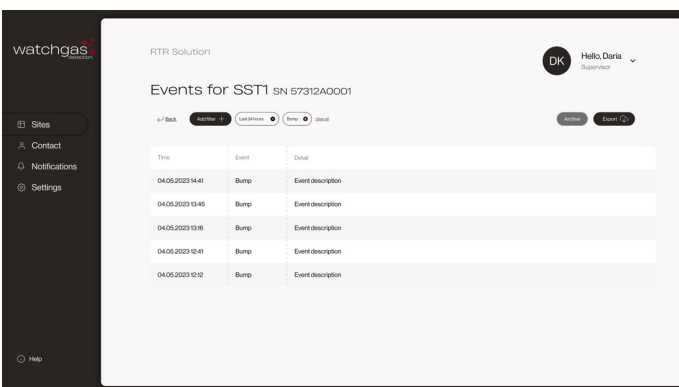
The Site Page shows a quick overview of the status of devices assigned to one specific site.



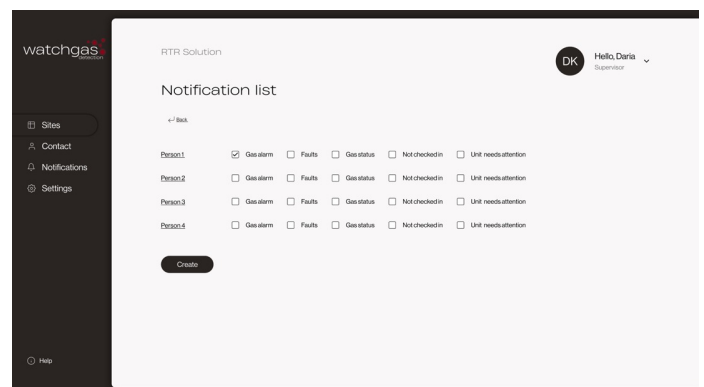
The All Units on Site Page displays details of units assigned to a specific site. The page can be filtered according to the device of interest. With the adjustable Service Attention Setting, the user is able to select when a unit is to be maintained. This allows the user to optimize the usage of the units and reduce operation costs.



The device Health Report screen allows the user to track the health of a specific device and plan any future service actions.



The Events Screen allows the user to see a list of all events pertaining to a single device.



The Notification list page allows user configurable email notifications and allows the user to select what notification goes to whom.



# WATCHGAS BALL FLOAT

The Best Ball Float, by WatchGas

For a confined space clearance measurement, a sampling hose is attached to a pumped gas detector. An open end of the hose, runs the risk of allowing dust and liquids to enter the sampling hose, blocking the hose and delaying the work. Ball floats are a perfect way to ensure no liquid or dust can enter the sampling hose.

**WatchGas has completely redeveloped the ball float to make it suited to heavy duty work in every way.**

The ball float is made in one piece to make it more resistant and durable in comparison to ball floats that are made from two hemispheres glued together. The material is chemical-resistant, antistatic and non-adsorbent, therefore it does not interfere with your measurement. Also, its bright yellow color makes it visible, providing contrast in dimly-lit situations.

We believe we have developed the best ball float. But the best part is that it's very competitively priced. Give us a call or visit our website to find the nearest distributor.

## SPECIFICATIONS

Size	60 x 65 mm
Material	High Density Polyethylene
Safety certifications	IEC/TS 60079-32-1: 2015, IEC 61340-4-4, Nationaler Brandschutz NFPA 77 (2013) / EN-60079-0 EAN-13 Code: 8719992974764
Suitable for	3x5 mm Sampling Hose 5x8 mm Sampling Hose

# WATCHGAS LAST-O-MORE GAS SAMPLING HOSE

Low Adsorption Gas Sampling Hose



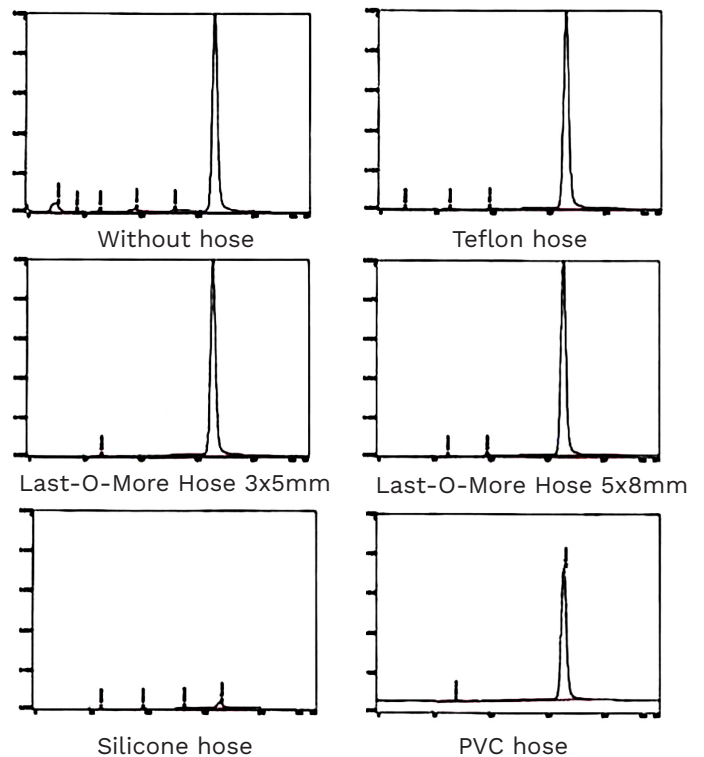
The Last-O-More Sampling Hose offers the best performance for the price. It has low adsorption, so you get accurate results. Gas chromatography analysis shows a low adsorption on benzene. Low adsorption means high accuracy. Other gas types show similar results.

The hose is covered in an anti-tangle agent so it is easy to detangle. It comes in two sizes: 3x5mm and 5x8mm.

## SPECIFICATIONS

<b>Size</b>	3x5 mm (Art.Nr. 411 0018038) 5x8 mm (Art.Nr. 411 0018039)
<b>Hardness</b>	60 - 65 Shore A
<b>Density</b>	2.01 ± 0.03 g/cm <sup>3</sup>
<b>Tensile Strength</b>	8 N/ mm <sup>2</sup>
<b>Elongation</b>	280%
<b>Resistance</b>	8%
<b>Shape Retention</b>	20%
<b>Temperature Resistance</b>	24 hours / 175° C -18 ° C to +200° C
<b>Short-Term Heat Resistance</b>	+ 250° C
<b>Protection Against Electrostatic Discharge</b>	NEN / EN / IEC 61340-5-1: 2016
<b>Safety certifications</b>	EAN-13 code: 8719992974788 (3x5 mm) EAN-13 code: 8719992974771 (5x8 mm)

### Benzene adsorption test with different hose materials





# SAMPLING EQUIPMENT

Your sample is as good as your sampling equipment



**Part Number:** D5019710

**Item Description:** Aspirator bulb with controlled flow. Use with Last-O-More tubing (not included).



**Part Number:** 008-3015-001

**Item Description:** Extendable Measuring Probe, easy to carry and store. Use with Last-O-More tubing (not included).



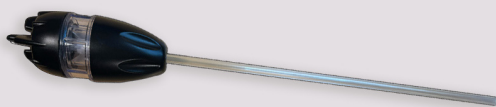
**Part Number:** GSR-07

**Item Description:** Telescopic Probe up to 4m extendable body.



**Part Number:** GSR-04-S-AK

**Item Description:** Rigid 40cm Multifunctional Probe. Complete with tubing.



**Part Number:** WG-PROBE

**Item Description:** CSE Probe comes with 3 inline filters and humidity filter. Use with Last-o-More tubing (not included).



**Part Number:** GSR-02

**Item Description:** 1 meter Carbon Fiber Probe. Safe to use for electricians. Use with Last-o-More tubing (not included).

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