

SST1 SINGLE GAS

Serviceable

H₂S

CO

O₂

SO₂



APPLICATIONS

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

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 State Technology our H₂S, CO, O₂, SO₂, and soon 15 more, 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 Real Time Gas Reading on display.



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.

SST1 SINGLE GAS

Serviceable



The SST1 Serviceable offers one of the most cost-effective solutions on the market. With its 3-year 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. SST1 is the platform that will allow us to expand on up to 15 differing gases, so this is the ideal solution what ever your application.

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	-40 to +140°F / -40 to +60°C
Humidity	5 ~ 95 %RH (Non-condensing)
Response time T90	H₂S, CO, O₂: < 10 sec SO₂: <55 sec Other sensors may vary
Battery life	O₂: 2 years H₂S, CO, SO₂: 3 years NH₃, NO₂, Cl₂, HCN, Xtox, PH₃, O₃, H₂, ETO, HCHO, Ch₄S, HF, ClO₂, AsH₃: coming soon
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 Int.Safe: Cl I Dv 1, Gr A,B,C,D T4
Warranty	3 years instrument and 2 years sensor

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

FOR MORE INFORMATION

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WatchGas is dedicated to continuously improving its products. Therefore, the specifications and features mentioned in this datasheet are subject to change without prior notice.

SENSOR SPECIFICATIONS

Sensor	Gas measuring range	Low alarm level	High alarm level	STEL	TWA
H ₂ S	0 - 500 ppm	10 ppm	15 ppm	15 ppm	10 ppm
CO	0 - 2000 ppm	35 ppm	200 ppm	100 ppm	20 ppm
O ₂	0 - 25.0 % by vol.	19.5 %	23.5 %	—	—
SO ₂	0 - 100 ppm	5 ppm	10 ppm	5 ppm	2 ppm

*All alarm levels can be set using the WatchGas app

ACCESSORIES



Gas cylinder

Fixed flow regulator

External filter



SST Dock

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