# watchgas
detection

# SST1 SINGLE GAS

Maintenance free 2 & 3 year – $H_2S$ / $SO_2$ / CO / $O_2$

## 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 $H_2S$, CO, $O_2$, & $SO_2$ 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.

# SST1 SINGLE GAS

Maintenance free 2 & 3 year – H2S / SO₂ / CO / O₂

The SST1 single gas detectors provides up to three years maintenance-free operation and is available in $H_2S$, $SO_2$, CO or $O_2$ 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.

## 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** | **$H_2S$, CO, $O_2$:** < 10 seconds<br>**$SO_2$:** < 55 seconds |
| **Battery life** | **$H_2S$, CO, $O_2$, $SO_2$:** 2 years<br>**$H_2S$ or CO:** 3 years<br>depending on the version |
| **Event logging** | Last 100 events |
| **IP** | IP67-68 |
| **Communication** | NFC |
| **Shelf life** | 1 year |
| **Certifications & Approvals** | ATEX, IECEX, UKEX<br>**II 1 G Ex ia IIC T4 Ga**<br>**I M1 Ex ia I Ma 0344**<br>Int.Safe: Cl I Dv 1, Gr A,B,C,D T4<br>CSA C22.2 NO. 60079-0<br>CAN/CSA C22.2 NO 60079<br>UL 61010 UL60079-0, UL60079-11 safety requirements<br>CAN/CSA-C22.2 NO 61010-1-12<br>Low Voltage Directive 2014/35/EU<br>EMC Directive 2014/30/EU |
| **Warranty** | One year shelf life then two or three years from activation date depending on device type |

## FOR MORE INFORMATION

www.watchgas.com
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## SENSOR SPECIFICATIONS

| Sensor | Gas measuring range | Low alarm level | High alarm level | Resolution |
|---|---|---|---|---|
| 2- or 3-year detector $H_2S$ | 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 $O_2$ | 0 - 25.0 % by vol. | 19.5 % | 23.5 % | 0.1 vol% |
| 2 year detector $SO_2$ | 0 - 100 ppm | 5 ppm | 10 ppm | 0.1 ppm |

## ACCESSORIES


Gas cylinder


Fixed flow regulator


External filter


SST Dock

Distributed by