

SST-MICRO & SST-MINI - MULTI GAS

Four Gas Device



APPLICATIONS

- Oil & Gas upstream
- Steel production
- Wastewater
- Ship building
- Telecommunications
- First responders
- Manufacturing
- Shipping
- Power generation

FEATURES AND BENEFITS

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 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 and what it can do for you.

RUGGED

Designed with the harshest environments in mind the SST4 offers an IP rating of 67-68. The casing is a double shot housing that gives extra robustness whilst 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.

SENSOR

Using the latest in Solid State Technology our H₂S, CO, O₂ and SO₂, and HCN 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 user 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, Low and TWA alarms can be configured by the customer and automatically updated directly on the device or through the SST-Dock or WatchGas App.

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 and % vol. Correction factors can be set through the WatchGas App 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.

INNOVATION

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.

SST-MICRO & SST-MINI - MULTI GAS

Four Gas Device



As many industries move from single gas to a multigas approach it is important for end user adoption. The SST 4 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 through 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 use cases and 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.

SST-MICRO & SST-MINI SPECIFICATIONS

Size	SST4-Micro: 103.5mm x 63.3mm x 40mm SST4-Mini: 107.5mm x 63.3mm x 42mm
Weight	SST4-Micro: under 180g sensor dependent SST4-Mini: under 180g sensor dependent
Temperature	H₂S: -40 to +122°F / -40 to +50°C CO: -22 to +122°F / -30 to +50°C O₂: -4 to +122°F / -20 to +50°C SO₂: -22 to +122°F / -30 to +50°C HCN: -22 to +122°F / -30 to +50°C LEL LPC Low Power Catalytic: -40 to +122°F / -40 to +50°C LEL Catalytic Bead Sensor: -40 to +122°F / -40 to +50°C LEL NDIR: -40 to +122°F / -40 to +50°C
Humidity	5% - 95% RH (non-condensing)
Typical battery life	Four Gas Device (SST-Micro): LEL LPC Low Power Catalytic – 1 Week Runtime Four Gas Device (SST-Mini): LEL Catalytic Bead Sensor – 16 Hours Four Gas Device (SST-Mini): LEL NDIR – 1 month of Runtime
Induction Charger	8 hours
Event logging	100 events
Data logging	6 months
IP	67-68
Communication	NFC
Calibration	6 months as standard
Certifications & Approvals	Class I, Div. 1, Gr. A, B, C, D. Class I, Zone 0, Gr. IIC ATEX: II 1G Exia IIC T4 Ga IECEx: Exia IIC T4 Ga European Conformity American Bureau of Shipping CU TR Ex (Customs Union)
Warranty	Two-year warranty as standard

FOR MORE INFORMATION

www.watchgas.com
info@watchgas.com

WatchGas SST-Micro & SST-Mini DS EN 14-02-23 V1.0 © 2023 WatchGas B.V.
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 TYPE	RANGE	RESOLUTIONS	LOW ALARM	HIGH ALARM	TWA	STEL
O₂ Oxygen	0-25% Vol	0.1% vol	19.50%	23.50%	N/A	N/A
LEL LPC LEL Low Power Catalytic	0-100% LEL	1% vol	10%	20%	N/A	N/A
LEL CAT LEL Catalytic Bead	0-100% LEL	1% vol	10%	20%	N/A	N/A
LEL NDIR LEL Non-Dispersive Infrared Sensor	0-100% LEL	1% vol	10%	20%	N/A	N/A
CO Carbon Monoxide	0-2000 PPM	1 PPM	35 PPM	200 PPM	35 PPM	200 PPM
H₂S Hydrogen Sulphide	0-500 PPM	0.1 PPM	5 PPM	10 PPM	5 PPM	10 PPM
SO₂ Sulphur Dioxide	0-100 PPM	0.1 PPM	5 PPM	10 PPM	5 PPM	10 PPM
HCN Hydrogen Cyanide	0-50 PPM	0.1 PPM	5 PPM	5 PPM	5 PPM	5 PPM

Factory alarm set points can be set to customer requirements using SST-Dock and WatchGas Mobile App.

ACCESSORIES



SST Dock

Distributed by