SST4 MICRO & SST4 MINI

Multi-gas device



APPLICATIONS

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

FEATURES AND BENEFITS

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.

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.

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.

SENSOR

Using the latest in Solid State Technology our H_2S, CO, O_2 and SO_2 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, LowLow, TWA and STEL alarms can be configured by the user and updated directly on the device through the SST Dock or WatchGas SST Application.

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.

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Multi-gas device

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.

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	**North America:** Class I, Div. 1, Gr. A, B, C, D. Class I, Zone 0, Gr. IIC **ATEX/IECEx/UKEX** LEL-LPC and LEL-CAT: II 1 G Ex ia IIC T4 Ga; I M1 Ex ia I Ma; -40°C ≤ Tamb ≤ +60°C LEL-IR sensor: II 1 G Ex ia op is IIC T4 Ga; I M1 Ex ia op is I Ma; -40°C ≤ Tamb ≤ +60°C EN 50270:2015+AC:2016, EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1, RoHS EN63000:2018
Warranty	2-year warranty as standard

SENSOR SPECIFICATIONS

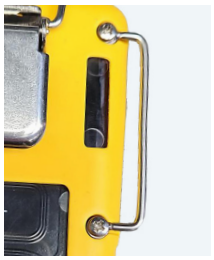
SENSOR TYPE	RANGE	RESOLU-TIONS	LOW ALARM	HIGH ALARM	TWA	STEL
O_2 Oxygen	0-25% vol	0.1% vol	19.50%	23.50%	N/A	N/A
LEL Low Power Catalytic (SST4 Micro)	0-100% LEL	1 %LEL	10%	20%	N/A	N/A
LEL CAT LEL Catalytic Bead (SST4 Mini)	0-100% LEL	1 %LEL	10%	20%	N/A	N/A
LEL Non-Dispersive Infrared Sensor (SST4 Mini)	0-100% LEL	1 %LEL	10%	20%	N/A	N/A
CO Carbon monoxide	0-2000 ppm	1 ppm	35 ppm	200 ppm	20 ppm	100 ppm
H_2S Hydrogen sulphide	0-500 ppm	0.1 ppm	10 ppm	15 ppm	10 ppm	15 ppm
SO_2 Sulphur dioxide	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 seperately)
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

FOR MORE (ORDER) INFORMATION

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