

# SP-SGT

## Disposable Single Gas Detector



### DESCRIPTION

SGT is a single disposable detector. It operates continuously for two (2) years even without replacing the battery or gas sensor to protect workers from oxygen deficiency or toxic gases. It measures a gas continuously and displays its concentration and raises an alarm when a risk occurs.

### KEY FEATURE

- Disposable type (No need for sensor or battery replacement)
- Operates continuously for 2 years
- Excellent water / dust proof structure
- Automatic checking of the sensor trouble
- High-performance audible and vibrating alarms
- Automatic logging of up to 30 events
- Easy configuration and data management via IR link
- Easy calibration through the Docking Station



### SPECIFICATION

<b>Model</b>	SGT	
<b>Sensor Type</b>	Electrochemical	
<b>Measuring Type</b>	Diffusion Type	
<b>Case Material</b>	Rubber Enclosure	
<b>Dimension</b>	54 (W) x 91 (H) x 32 (D)mm / 2.13(W) x 3.58(H) x 1.26(D) inch	
<b>Weight</b>	93g / 3.28oz (Toxic), 104g / 3.67oz (O2) *Battery, Clip included	
<b>Operating Temperature</b>	-40°C to +50°C / -40°F to +122°F (for CO, H2S, H2, NH3, and NO2) -35°C to +50°C / -31°F to +122°F (for O2 and SO2)	
<b>Operating Humidity</b>	5% to 95% RH (Non-condensing)	
<b>Operating Life</b>	24 months, Based on 2 minutes of alarm per day	
<b>Event Log</b>	Most recent 30 alarms	
<b>IP</b>	IP 67	
<b>Alarm</b>	Visual (Red flashing LEDs and LCD display), Vibrating, Audible (90 dB alarm at 10cm and buzzer)	
<b>Display</b>	Liquid Crystal Display (LCD)	
<b>Battery</b>	Manufacture : Vitzrocell, P/N : SB-AA02 (P), System : Lithium Primary Battery, Nominal Voltage : 3.6V, Nominal capacity : 1.2Ah	
<b>Components</b>	Calibration Cap, Manual, Calibration and Test Certificate	
<b>Certification</b>	ATEX	II 1 G Ex ia IIC T4 Ga
	IECEX	Ex ia IIC T4 Ga
	CSA/UL	Ex ia IIC T4 Ga Class I, Zone 0, AEx ia IIC T4 Ga Class I, Division 1, Groups A, B, C, D, T4
	INMETRO	Ex ia IIC T4 Ga
	etc.	RoHS2, RCM, REACH, WEEE, FCC

### ACCESSORIES



**IR Link Communication**  
Connects to the computer in order to program configuration and download data log



**Sampling Pump**  
(SP-Pump101)



**Extension Probe**  
5m / 10m



**SGT**  
Docking Station II

### SENSOR SPECIFICATION

Gas	Measuring Range	Low Alarm	High Alarm	Resolution
O2	0~30%Vol	19%Vol	23%Vol	0.1%Vol
CO	0~500ppm	30ppm	60ppm	1ppm
H2S	0~100ppm	10ppm	15ppm	0.1ppm
H2	0~1,000ppm	100ppm	500ppm	1ppm
SO2	0~50ppm	2ppm	5ppm	1ppm
NH3	0~100ppm	25ppm	35ppm	1ppm
NO2	0~20ppm	3ppm	5ppm	1ppm