

# 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 sensor or battery change)
- Operates continuously for 2 years
- Excellent water / dust proof structure
- Automatic checking of the sensor trouble
- High-performance audible and vibrating alarm
- Automatic logging of 30EA events
- Easy configuration and data management through IR link
- Easy calibration through the Docking Station



### SPECIFICATION

Model	SGT
Sensor Type	Electrochemical
Measuring Type	Diffusion Type
Case Material	Rubber Enclosure
Dimension	54 (W) x 91 (H) x 32 (D)mm
Weight	93g (Toxic), 104g (O2) / Battery, Clip included
Operating Temperature	-40°C~+50°C (Toxic), -35°C~+50°C (O2)
Operating Humidity	5%~95% RH (Non-condensing)
Operating Life	24 months, Based on 2 minutes of alarm per day
Event Log	Recent 30 alarms
IP	IP 67
Alarm	Red Flashing LEDs (Light-Emitting Diode), 90dB audible alarm at a distance of 10cm, Vibration alarm
Display	Liquid Crystal Display (LCD)
Battery	Manufacture : Vitzrocell, P/N : SB-AA02 (P), System : Lithium Primary Battery, Nominal Voltage : 3.6V, Nominal capacity : 1.2Ah
Components	Calibration Cap, Manual, Calibration and Test Certificate
Certification	ATEX II 1 G Ex ia IIC T4 Ga
	IECEX Ex ia IIC T4 Ga
	CSA/UL 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**

### SENSOR SPECIFICATION

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