

# SGT

## Disposable Single-Gas Detector

SENKO



### Description

SGT is a single disposable detector. (SGT-P is replaceable) It operates continuously for two years even without the replacement of the battery or gas sensor in order 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 two 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 Docking Station



### Specification

<b>Model</b>	<b>SGT</b>
<b>Sensor Type</b>	Electrochemical
<b>Measurement</b>	Diffusion type
<b>Display</b>	LCD display
<b>Audible</b>	90dB at 10cm
<b>Warning Lamp</b>	Red Flashing LEDs (Light-Emitting Diode)
<b>Vibration</b>	Vibration Alarm
<b>Battery</b>	Manufacture: Vitzrocell P/N: SB-AA02(P) / System: Lithium Primary Battery Nominal voltage: 3.6V / Nominal capacity: 1.2Ah
<b>Temperature &amp; Humidity</b>	-40°C ~ +50°C(for Toxic) / -35°C ~ +50°C(for O2) 5%~95% RH (Non-condensing)
<b>Case</b>	Rubber Enclosure
<b>Accessories</b>	Calibration Cap, Manual, Calibration and Quality report
<b>Option</b>	External Sampling Pump (SP-Pump101), SENKO-IR Link, Docking Station
<b>Size &amp; Weight</b>	Size: 54(W) × 91(H) × 32(D)mm Weight: 93g(Toxic), 104g(O2) (Battery, clip included)
<b>Operating Life</b>	24 months, based on 2 minutes of alarm per day
<b>Event Log</b>	Recent 30 alarms
<b>Approval</b>	<b>ATEX</b> II 1 G Ex ia IIC T4 Ga <b>CSA&amp;UL</b> Class 1, Zone 0, ex ia IIC T4 Ga <b>IECEX</b> Ex ia IIC T4 Ga <b>INMETRO</b> Ex ia IIC T4 Ga

### 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
<b>O2</b>	0~30%Vol	19%Vol	23%Vol
<b>CO</b>	0~500ppm	30ppm	60ppm
<b>H2S</b>	0~100ppm	10ppm	15ppm
<b>H2</b>	0~1000ppm	100ppm	500ppm
<b>SO2</b>	0~50ppm	2ppm	5ppm
<b>NH3</b>	0~100ppm	25ppm	35ppm
<b>NO2</b>	0~20ppm	3ppm	5ppm