

# SGT-P

## Replaceable Single-Gas Detector

SENKO



O<sub>2</sub>/ CO/ H<sub>2</sub>S/ H<sub>2</sub>/ SO<sub>2</sub>/ NH<sub>3</sub>/ NO<sub>2</sub>

### Description

SGT-P is a single replaceable gas detector designed to detect oxygen deficiency and presence of toxic gas in the ambient environment. SGT-P is the replaceable type of a gas sensor and battery. When activated, SGT-P continuously monitors ambient air for the presence of a specific gas and alerts the user to potentially unsafe exposure with LED, vibrating, and audible alarms in the event that gas concentration exceeds alarm set points.

### Key Feature

- Sensor and Battery Replacement
- Power on / off available
- Configuration via exclusive IR Link

### Specification

<b>Model</b>	<b>SGT-P</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 O <sub>2</sub> ) 5% ~ 95% RH (non-condensing)
<b>Case</b>	Rubber Enclosure
<b>Accessories</b>	Calibration Cap, Manual, Test Report
<b>Option</b>	External Sampling Pump (SP-Pump101), SENKO-IR Link, Docking Station
<b>Size &amp; Weight</b>	Size: 54mm(W) x 91mm(H) x 32mm(D) Weight: 93g(Toxic), 104g(O <sub>2</sub> ) (Battery, clip included)
<b>Event Log</b>	Recent 30 alarms
<b>Operating Life</b>	24 months, based on 2 minutes of alarm per day
<b>Approval</b>	<b>ATEX</b> II 1 G Ex ia IIC T4 Ga <b>IECEX</b> Ex ia IIC T4 Ga <b>INMETRO</b> Ex ia IIC T4 Ga

### Accessories

#### IR-Link

User can change alarm set points and upload firmware updates and download event logs and perform calibration.



#### Sampling pump (SP-Pump101)



#### Extension Probe 5M/ 10M



#### SGT-P Docking Station



### Sensor specification

Gas	Measuring range	Low Alarm	High Alarm
O <sub>2</sub>	0~30%Vol	19%Vol	23%Vol
CO	0~500ppm	30ppm	60ppm
H <sub>2</sub> S	0~100ppm	10ppm	15ppm
H <sub>2</sub>	0~1000ppm	100ppm	500ppm
SO <sub>2</sub>	0~50ppm	2ppm	5ppm
NH <sub>3</sub>	0~100ppm	25ppm	35ppm
NO <sub>2</sub>	0~20ppm	3ppm	5ppm