

# SGT-P

## Replaceable Single Gas Detector



### 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>Measuring Type</b>	Diffusion Type
<b>Case Material</b>	Rubber Enclosure
<b>Dimension</b>	54(W) x 91(H) x 32(D)mm
<b>Weight</b>	93g(Toxic), 104g(O <sub>2</sub> ) / Battery, Clip included
<b>Operating Temperature</b>	-40°C~+50°C (for CO, H <sub>2</sub> S, H <sub>2</sub> , NH <sub>3</sub> , and NO <sub>2</sub> ) -35°C~+50°C (for O <sub>2</sub> and SO <sub>2</sub> )
<b>Operating Humidity</b>	5%~95% RH (Non-condensing)
<b>Operating Life</b>	24 months, Based on 2 minutes of alarm per day
<b>Event Log</b>	Recent 30 alarms
<b>IP</b>	IP 67
<b>Alarm</b>	Red Flashing LEDs (Light-Emitting Diode), 90dB audible alarm at a distance of 10cm, Vibration alarm
<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, Test Report
<b>Certification</b>	ATEX II 1 G Ex ia IIC T4 Ga IECEx Ex ia IIC T4 Ga INMETRO Ex ia IIC T4 Ga

### 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