

SGT

Disposable Single-Gas Detector

SENKO



O₂/ CO/ H₂S/ H₂/ SO₂/ NH₃/ NO₂

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

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



Sensor specification

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