

SP-SGT-L NEW

Maintainable Single Gas Detector with Backlight



DESCRIPTION

SP-SGT-L is an upgraded portable, maintainable single gas detector designed to monitor oxygen deficiency and toxic gas hazards in ambient environments. The enhanced backlit LCD improves visibility in dark or confined spaces, while the device continuously monitors gas concentrations and alerts users through visual, vibration, and 95 dB audible alarms when gas levels exceed preset alarm thresholds. Featuring a replaceable sensor and battery with optimized power performance, SP-SGT-L provides reliable, long-term protection for industrial applications.

KEY FEATURES

- Upgraded LCD display with integrated backlight for improved readability
- Enhanced visual, audible (95dB), and vibration alarms
- Replaceable sensor and battery for long service life
- Optimized runtime performance, even with backlight-enabled usage
- Power On / Off functionality
- Configuration available via SENKO IR Link
- Event/Data logging Function

SPECIFICATION

Model	SP-SGT-L
Sensor Type	Electrochemicals for Toxics and Oxygen
Measuring Method	Diffusion Type
Enclosure Material	Rubber Enclosure
Dimension	49(W) x 85(H) x 32(D) mm / 1.93(W) x 3.35(H) x 1.26(D) inch
Weight	Toxic: 93g (3.28oz), O ₂ : 104g (3.67oz) *Including battery and clip
Temperature	-40°C to +60°C
Humidity	5% to 95% RH (Non-condensing)
Alarm	Visual(LCD and flashing LEDs), Audible(Buzzer ≥95dB), Vibration
Display	Liquid Crystal Display (LCD) with Backlight
Battery	System : Lithium Primary Battery, Nominal Voltage : 3.6V, Nominal capacity : 1,200mAh
IP	IP67
Operating life	24 months *Operating life may vary depending on the operating environment.
Components	Calibration Cap, Manual, Calibration and Test Certificate
Options	SENKO IR Link
Certification	IECEx Ex ia IIC T4 Ga
	ATEX II 1 G Ex ia IIC T4 Ga
	PESO Ex ia IIC T4 Ga
	Compliance KC, CE, FCC, RCM, REACH, RoHS, WEEE

ACCESSORIES



IR Link Communication

Connects to the computer in order to program configuration and download data log



SGT/SGTP Docking Station II



Dock SGT Pro

Wireless Docking Station
for SP-SGT & SP-SGTP

SENSOR SPECIFICATION

Gas	Measuring Range	Low Alarm	High Alarm	Resolution
O ₂	0~30%Vol	19%Vol	23%Vol	0.1%Vol
CO	0~500/1,000/2,000ppm	30ppm	60ppm	1ppm
H ₂ S	0~100/200ppm	10ppm	15ppm	0.1ppm
H ₂	0~1,000ppm	100ppm	500ppm	1ppm
SO ₂	0~50ppm	2ppm	5ppm	0.1ppm
NH ₃	0~100/500ppm	25ppm	35ppm	1ppm
NO ₂	0~20ppm	3ppm	5ppm	0.1ppm
Cl ₂	0~20ppm	0.5ppm	1ppm	0.1ppm
HCN	0~50ppm	2ppm	5ppm	0.1ppm
PH ₃	0~5/20ppm	0.5ppm	1ppm	0.1ppm
ClO ₂	0~5ppm	0.1ppm	0.3ppm	0.1ppm
HCl	0~20ppm	1ppm	2ppm	0.5ppm