

SP-SGTP

Portable Diffusion-Type Single Gas Detector (Replaceable)



DESCRIPTION

SP-SGTP is a single replaceable gas detector designed to detect oxygen deficiency and the presence of toxic gas in the ambient environment. SP-SGTP is the replaceable type of gas sensor and battery. When activated, SP-SGTP 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 FEATURES

- Sensor and battery replacement available
- Power on / off functionality
- Configuration via exclusive IR Link
- Maintenance-free operation for CO and H₂S model, —no calibration needed for 2 years

SPECIFICATION

Model	SP-SGTP
Sensor Type	Electrochemical
Measuring Method	Diffusion Type
Enclosure Material	Rubber Enclosure
Dimension	49(W) x 85(H) x 40(D) mm / 1.93(W) x 3.35(H) x 1.57(D) inch
Weight	93g / 3.28oz (Toxic), 104g / 3.67oz (O ₂) *Battery, Clip included
Operating Temperature	-40°C to +50°C / -40°F to +122°F (for CO, H ₂ S, H ₂ , NH ₃ , and NO ₂) -35°C to +50°C / -31°F to +122°F (for O ₂ and SO ₂)
Operating Humidity	5% to 95% RH (Non-condensing)
Operating Life	24 months, Based on 2 minutes of alarm per day
Data Logging	Recent 30 alarms
IP	IP 67
Alarm	Visual (Red flashing LEDs and LCD display), Vibrating, Audible (90 dB alarm at 10cm and buzzer)
Display	Liquid Crystal Display (LCD)
Battery	Manufacture : Vitzrocell, P/N : SB-AA02 (P), System : Lithium Primary Battery, Nominal Voltage : 3.6V, Nominal capacity : 1.2Ah
Components	Calibration Cap, Manual, Calibration and Test Certificate
Certification	IECEX Ex ia IIC T4 Ga
	ATEX II 1 G Ex ia IIC T4 Ga
	CSA/UL Ex ia IIC T4 Ga Class I, Zone 0, AEx ia IIC T4 Ga Class I, Division 1, Groups A, B, C, D, T4
	CNEx & CPA Ex ia IIC T4 Ga
	INMETRO Ex ia IIC T4 Ga
	PESO Ex ia IIC T4 Ga
	etc. RoHs2, RCM, REACH, WEEE, FCC



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/SGTP Docking Station II

SENSOR SPECIFICATION

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