

PORTABLE SINGLE GAS DETECTOR

SGT



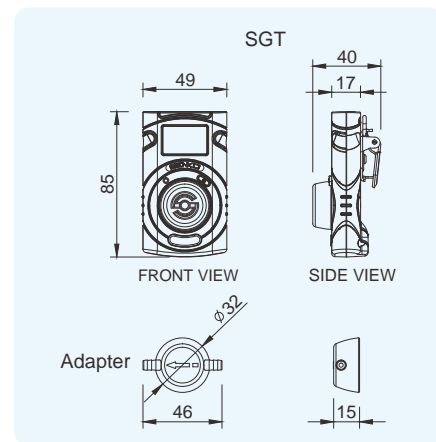
EXPLICATION AND FEATURES

SGT is an economical gas detector. It operates continuously for two years even without 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. SGT is a disposable detector. (SGT-P is replaceable)

- Disposable type
- Compact and Lightweight
- Event log (30EA)
- Maintenance-free
- Operates continuously for two years
- Easy configuration and data management through SGT-IR Link
- Easy calibration through Docking Station

APPLICATIONS

Steelworks, Petrochemical plant, Shipbuilding yard, Sewage treatment plant, Mine, Power supply works, Hermetically sealed area (manhole, tank)



SPECIFICATION

Model	SGT				SGT-P			
Measuring gas	O ₂	CO	H ₂ S	H ₂	SO ₂	Cl ₂	NH ₃	NO ₂
Range	0~30%Vol	0~500ppm	0~100ppm	0~1000ppm	0~20ppm	0~20ppm	0~100ppm	0~20ppm
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	Ex ia IIC T4Ga/ IP67 (Korea Ex, IECEx, ATEX, CSA & UL, INMETRO)							

PORTABLE SINGLE GAS DETECTOR

SP2nd



EXPLICATION AND FEATURES

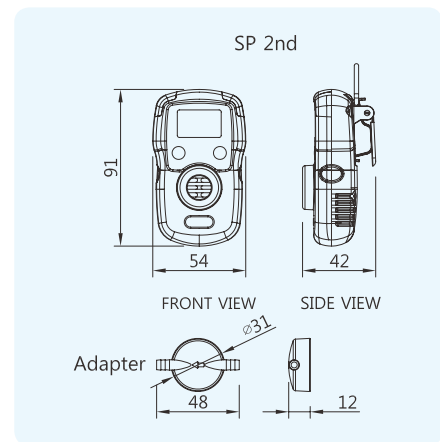
SP2nd is an economical gas detector that can be operated continuously for two years without replacement of gas sensor to protect workers from the disasters caused by the oxygen deficiency or toxic gas poisoning.

It measures one gas continuously and displays its concentration and raise an alarm when a risk occurs.

- Rubber material case for the shock protection
- The excellent water proof/dust proof structure
- High performance audible, visual, vibration alarm
- Setting 1st, 2nd alarm
- Automatic checking of the sensor trouble
- Event logs (20 ea)

APPLICATIONS

Steelworks, Petrochemical plant, Shipbuilding yard, Sewage treatment plant, Mine, Power supply works, Hermetically sealed area (manhole, tank), Warehouse



SPECIFICATION

Model	SP2nd O ₂	SP2nd CO	SP2nd SO ₂	SP2nd H ₂	SP2nd H ₂ S	SP2nd NH ₃
Measuring gas	O ₂	CO	SO ₂	H ₂	H ₂ S	NH ₃
Measuring type	Diffusion Type or Sampling type with the SP-PUMP 101 option					
Measuring method	Electrochemical cell					
Measuring range	0~30%vol	0~500ppm	0~20ppm	0~1000ppm	0~100ppm	0~100ppm
Sensor life time	< 2 years	> 2 years	> 2 years	> 2 years	> 2 years	> 2 years
Response time	<15sec/90% scale	<30sec/90% scale	<35sec/90% scale	<75sec/90% scale	<30sec/90% scale	<60sec/90% scale
Accuracy	±3%/Full scale					
Resolution	0.1%vol	1ppm	1ppm	Within 5ppm	1ppm	1ppm
Parameter Control	Front 2 switch(calibration, maintenance, alarm setting)					
Operation mode display	Visual : Digital LCD display, Trouble RedLED Audible : buzzer(90dB @ 10cm)					
Measuring value display	LCD Display(3-digit)					
Alarm display	Visual : alarm & status icon, Trouble RedLED Audible : buzzer					
Alarm level set	Programmable within detection range					
Data Log	Event Log : 20 Data					
Mounting type	Belt Clip					
Program set mode	Alarm value(1,2 alarm) time Set Calibration density setting					
Operating temperature	-20°C ~ 50°C					
Operating humidity	5% to 95% RH(Non-condensing)					
Operating power	CR2 Lithium Battery 3V					
Battery life time	CR2 Battery(3.0V) : 1.2 year, when used 8 hours a day					
Material	PC / TPE					
LCD size	27(W) × 17.5(H)mm					
Dimensions	54(W) × 91(H) × 42(D)mm					
Weight	O ₂ : 120g / Toxic: 100g (including Battery)					
Approval	Ex ia IIC T4 IP67 (KGS, ATEX, INMETRO)					

PORTABLE MULTI GAS DETECTOR

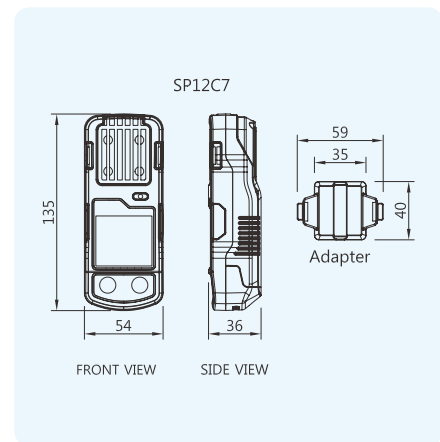
SP12C7



EXPLICATION AND FEATURES

SP12C7 is an united gas detector measuring four (4) major gases, which result the most of the industrial accidents, to protect workers from the disasters caused by the oxygen deficiency, toxic gas poisoning and gas explosion. Measure continuously four (4) gases (O₂, CO, H₂S and Combustible Gas(CH₂)) and display their concentrations and raise an alarm when the risk occurs.

- Simultaneously check 4 different gases (methane, oxygen, carbon monoxide, hydrogen sulfide)
- Explosive proof structure for the safety
- Rubber material case for the shock protection
- External pump and probe installation
- Automatic light on when alarming
- Both rechargeable battery and alkaline battery are compatible
- The excellent water proof/dust proof structure



APPLICATIONS

Steelworks, Petrochemical plant, Shipbuilding yard, Sewage treatment plant, Mine, Power supply works, Hermetically sealed area (manhole, tank), Warehouse

SPECIFICATION

Model	SP12C7			
Measuring gas	Combustible	O ₂	CO	H ₂ S
Measuring type	Diffusion Type or Sampling Type with Sampling pump(optional)			
Measuring method	Catalytic	Electrochemical cell	Electrochemical cell	Electrochemical cell
Measuring range	0-100%LEL	0-30%VOL	0-500ppm	0-100ppm
Sensor life time	> 5 years	< 2 years	> 2 years	> 2 years
Response time	<15sec/90% scale	<15sec/90% scale	<30sec/90% scale	<30sec/90% scale
Accuracy	±3%/Full scale			
Resolution	1%LEL	0.1%VOL	1PPM	1PPM
Parameter Control	Front 2 switch(calibration, maintenance, alarm setting)			
Operation mode display	Digital LCD display, LCD Backlight, Indicator LED			
Measuring value display	Digital LCD Display			
Alarm display	Visual : LCD alarm display, LCD Backlight, Indicator LED Audible : buzzer(90dB @ 10cm)			
Alarm level set	Programmable within detection range			
Mounting type	Belt Clip			
Program set mode	Alarm value(1,2 alarm)		Alarm value(1,2,TWA, STEL alarm)	
	Calibration gas concentration, Sensor enable or disable, Password, Alarm value setting			
Operating temperature	-20°C ~ +50°C			
Operating humidity	5 to 95% RH(Non-condensing)			
Operating power	NI-MH Battery-2EA or Alkaline Battery-2EA			
Battery life time	500-1,000 time Rechargeable			
Material	PC / TPE			
LCD size	38(W) × 35(H)mm			
Dimensions	54(W) × 135(H) × 36(D)mm			
Weight	240g (including Battery)			
Approval	Ex iad IIC T3/T4 (IP67)			