















BETTER SAFETY, BETTER LIFE

CHALLENGE, INNOVATION

Human Beings, Environment and Technology in Harmony



CEO MESSAGE

Though our country, Korea has an excellent competitiveness based on the technology even in the global endless competition days, the dependence on the advanced countries is a as high as what it could be said to be technically governed in the gas sensor and gas saefty equipment industry.

The gas sensor technology which could create the high additional value grafting with another industries, is one of the porspective technology which are growing very fast, as the environment and safety are being highly concerned.

Senko Co., Ltd. had developed sensors of the carbon monoxide, hydrogen sulfide by our own technology, starting the oxygen sensor. We had also developed to produce the gas safety equipment and its system such as the portable gas detector in the industrial field. We have been doing our best to localize the Korean domestic market which is dominated by foreign countries' products as well as to develop the oversea market.



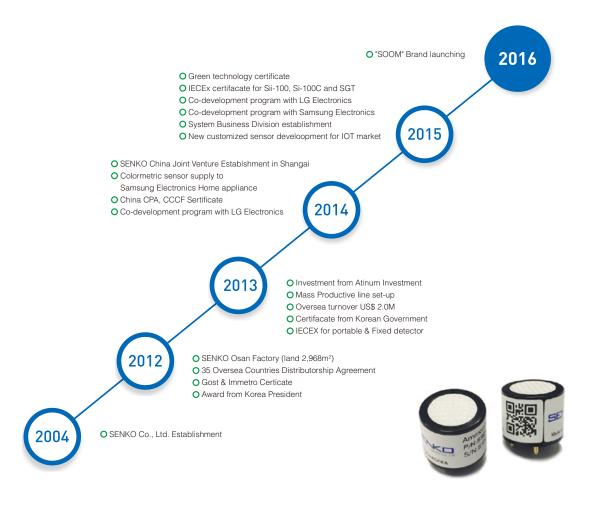
We will do our every possible efforts to be together wherever with our customer and surely stand based on the venture enterprise spirit in the industrial safety gas equipment area which the domestic enterprise never concerned. We are trying to develop the more efficient, convenient products for the customers, using the new technology as well as the conventional gas safety equipment.

We will establish the strategic partnership with the excellent institute/enterprise who have the technical competitiveness in another industries. We will be born again to focus to develop the new product of the high additional value technically fused through the co-research based on this partnership.

Being one family based on the mutual trust to become the world wide company, we will found the business culture which all staffs could do our best. We promise to show our customers our efforts to do our best for the customer satisfaction. Please, watch us with the friendly warm view. Thanks.

SENKO C.E.O Ha seung chul Gas monitoring system based on his own Gas sensor technology.

Now, SENKO is producing more than 12 gases sensor with various physical structure. SENKO has invested in research and development of new gas sensor and has customized typical electrochemical gas sensor to satisfy the requirements of Consumer product manufacturer like Samsung Electonics & LG Electronics. We are welcome to cooperate with customers for the customized sensor development.



BETTER SAFETY, BETTER LIFE CHALLENGE, INNOVATION

















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Model name	SS2118	SS2128	SS2198	SS21N8	SS2148	SS2178
Traget Gas	Oxygen(O ₂)	Carbon Monoxide(CO)	Hydrogen Sulfide(H ₂ S)	Ammonia(NG3)	Nitrogen Dioxide(NO ₂)	Hydrogen(H ₂)
Output Signal	90±20μA in Air	70±20 nA / ppm	700±020 nA / ppm	100±30 nA / ppm	-220±50 nA / ppm	30±10 nA / ppm
Typical Baselin Range(pure air)	≤±0.3%vol 0₂ equivalent	≤±2 ppm CO equivalent	±2 ppm H ₂ S equivalent	±2 ppm NH₃ equivalent	±1 ppm NO ₂ equivalent	
Filter Capacity		≥20,000 ppm hours				
T90 Response Time	<15seconds	<25seconds	<20seconds	<30seconds	<30seconds	<30seconds
Measurement Range	0~30% vol	0~2,000 ppm	0~100 ppm	0~100 ppm	0~20 ppm	0~1,000 ppm
Maximum Overload	100% vol	5,000 ppm	500 ppm	200 ppm	40 ppm	2,000 ppm
Linearity	Linear	Linear up to 2,000 ppm	Linear	Linear	Linear	Linear
Repeatability	≤±3%	≤±2 ppm CO equivalent	≤±2 ppm H₂S equivalent	≤±10%	≤±5%	2% of signal
Recommeded Load Resistor	10 ohms	10 ohms	10 ohms	10 ohms	10 ohms	10 ohms
Resolution (Electronics Dependent)	0.1 % vol	≤0.5 ppm typical	≤0.1 ppm typical	≤1 ppm typical	≤0.1 ppm typical	≤2 ppm typical















					3-0
Model name	SS2118_B	SS2	1CH	SS21A8	SS21F8
Traget Gas	Carbon Monoxide(CO)	Carbon Monoxide(CO)	Hydrogen Sulfide(H₂S)	Alcohol	Formaldehyde(HCHO)
Output Signal	60±20 nA / ppm	80±20 nA / ppm	775±275 nA / ppm	25~40 nA / ppm	200±50 nA / ppm
Typical Baselin Range(pure air)	≤±2 ppm CO equivalent	≤±2 ppm CO	≤±0.5 ppm H₂S equivalent	≤±2 ppm	≤±2 ppm
Filter Capacity	≥20,000 ppm hours				
T90 Response Time	<20seconds	<30seconds		<20seconds	<60seconds
Measurement Range	0~1,000 ppm	0~500 ppm CO	0~200 ppm H ₂ S	0~1,000 ppm	0~1,000 ppm
Maximum Overload	2,000 ppm	2,000 ppm CO	500 ppm H ₂ S	2,000 ppm	2,000 ppm
Linearity	Linear up to 2,000 ppm	Lin	ear	Linear	Linear
Repeatability	≤±2 ppm CO equivalent	≤±3% CO	≤±2 ppm H₂S equivalent	≤±2%	≤±3%
Recommeded Load Resistor	10 ohms	10 ohms		10 ohms	10 ohms
Resolution (Electronics Dependent)	≤0.5 ppm typical	≤0.5 ppr	n typical	≤0.1 ppm typical	≤1 ppm typical

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SGT



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)

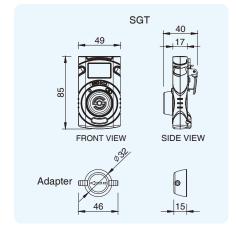
- Disposable type
- Compact and Lightweight
- Event log (30EA)
- Maintenance-free
- Operates continuously for two years
- Easy configuration and data management through SGT-IR Link
- Easy calibration through Docking Station



SGT with IR LINK

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	02	CO	H₂S	H ₂	SO ₂	Cl2	NH₃	NO ₂
Range	0~30%Vol	0~500ppm	0~100ppm	0~1000ppm	0~20ppm	0~20ppm	0~100ppm	0~20ppn
Sensor Type				Electroc	hemical			
Measurement				Diffusio	on type			
Display				LCD d	isplay			
Audible				90dB a	t 10cm			
Warning Lamp			Rec	l Flashing LEDs (L	ight-Emitting Di	ode)		
Vibration				Vibratio	n 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 \sim +50°C(for Toxic) / -35°C \sim +50°C(for O ₂) 5% \sim 95% RH (Non-condensing)						
Case				Rubber E	nclosure			
Accessories			Calibration	Cap, Manual, Ca	alibration and Qu	ality report		
Option		External Sampling Pump (SP-Pump101), SENKO-IR Link, Docking Station						
Size & Weight		Size: $54(W) \times 91(H) \times 32(D)$ 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/ I	P67 (Korea Ex, IE	CEx. ATEX. CSA	& UL. INMETRO)		

SP2nd



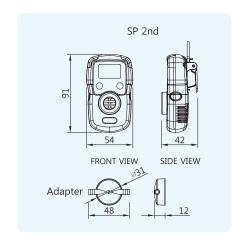
SP2nd is an economical gas detector that can be operated continuously for two years without replacement of gas sensor to protect workers from the disasters caused by the oxygen deficiency or toxic gas poisoning.

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	000 10					
	SP2nd O ₂	SP2nd CO	SP2nd SO ₂	SP2nd H ₂	SP2nd H₂S	SP2nd NH₃
Measuring gas	02	CO	SO ₂	H ₂	H₂S	NH₃
Measuring type		Diffusion	n Type or Sampling type	with the SP-PUMP 10	1 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 <1	15sec/90% scale	<30sec/90% scale	<35sec/90% scale	<75sec/90% scale	<30sec/90% scale	<60sec/90% scale
Accuracy			±3%/Fu	II scale		
Resolution	0.1%vol	1ppm	1ppm	Within 5ppm	1ppm	1ppm
Parameter Control		Fron	t 2 switch(calibration, n	naintenance, alarm set	ting)	
Operation mode display		Visual : Digital	LCD display, Trouble Re	edLED Audible : buzzer	90dB @ 10cm)	
Measuring value display	LCD Display(3-digit)					
Alarm display		Visual :	alarm & status icon, Tr	ouble RedLED Audible	: buzzer	
Alarm level set			Programmable with	in dectection range		
Data Log			Event Log	: 20 Data		
Mounting type			Belt	Clip		
Program set mode		Alarm	value(1,2 alarm) time S	et Calibration density	setting	
Operating temperature			-20°C -	~ 50°C		
Operating humidity			5% to 95% RH(N	lon-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: 100	g (including Battery)		
Approval			Ex ia IIC T4 IP67 (KG	S, ATEX, INMETRO)		

MGT

EXPLICATION AND FEATURES

MGT 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. It measures continuously four(4) gases (O2, CO, H2S and Combustible Gas(CH4)) and displays their concentrations and raises an alarm(visual, vibrating, and audible) when the risk occurs. It features the dual sensor of CO and H2S.

- Small size & Light weight
- 30 EA of Bump tests/ Events/ Cal.
- Simultaneously detect 4 different gases
- 60 days use by one charge for 4-6 hours (N-type)
- Configuration via exclusive IR Link
- Easy check & calibration via Docking Station
- Intrinsic Safety

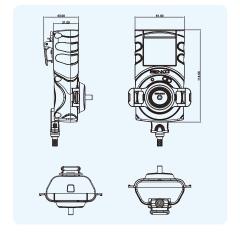




IR LINK

APPLICATIONS

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



SPECIFICATION

Measuring gas	O_2	CO	H ₂ S	Combustible		
Range	0~30%Vol	0~500ppm	0~100ppm	0~100%LEL		
Resolution	0.1%Vol	1ppm	0.1ppm	0.1%LEL		
Alarm	19, 23%Vol	30, 60ppm	10, 15ppm	20, 40%LEL		
Self-test			est upon activation circuitry - continuous			
Detecting Method		Diffusion / Sampling (with	Sampling Pump(optional))			
Display		LCD Display	/ (back-light)			
Alarm		LED flashing, S	Sound, Vibration			
Sensor		O ₂ , CO and H ₂ S: Electrochemical Combustible(LEL): IR or Pellistor				
IP		67				
Temperature	-20°C ~ +50°C					
Humidity	5~95% RH(Non-condensing)					
Batteryw		Rechargeable Li-ion power supply unit (2000mAh)				
Charge Time		4-6 hours				
Battery Life		60 days continuous / Pell	istor: 25 hours continuous			
Low Battery Alarm	20 minutes / 10 minutes / 5 minutes expired: 5 long beeps/flashes and then Off is displayed					
Warranty		2 ye	ears			
Weight		24	10g			
Size	61(w) × 114(h) × 43(d)mm					
Optional Accessary	MGT-IR Link, Docking Station, SP-Pump 101					
Approval		IECEx, ATEX,	CSA, InMetro			

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.

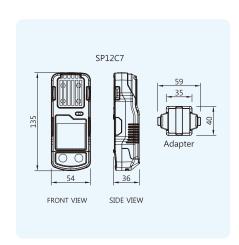
- Simultaneously check 4 different gases (methane, oxygen, carbon monoxide, hydrogen sulfide)
- Explosive proof structure for the safety
- Rubber material case for the shock protection
- External pump and probe installation
- Automatic light on when alarming
- Both rechargeable battery and alkaline battery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



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

SPECIFICATION

Model		SP1	2C7		
Measuring gas	Combustible	02	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%/Fu	ıll scale		
Resolution	1%LEL	0.1%VOL	1PPM	1PPM	
Parameter Control		Front 2 switch(calibration, r	maintenance, alarm setting)		
Operation mode display		Digital LCD display, LCD	Backlight, Indicator LED		
Measuring value display	Digital LCD Display				
Alarm display	Visual : LC	D alarm display, LCD Backlight, Ir	ndicator LED Audible : buzzer(90dl	3 @ 10cm)	
Alarm level set	Programmable within dectection range				
Mounting type		Belt	Clip		
Program set mode	Alarm valu	e(1,2 alarm)	Alarm value(1,2,7	WA, STEL alarm)	
1 Togram Set mode	Calibration gas concentration, Sensor enable or disable, Password, Alarm value setting				
Operating temperature		-20°C ~	+50°C		
Operating humidity		5 to 95% RH(N	on-condensing)		
Operating power	NI-MH Battery-2EA or Alkaline Battery-2EA				
Battery life time		500~1,000 time	e Rechargeable		
Material	PC / TPE				
LCD size	38(W) × 35(H)mm				
Dimensions	54(W) × 135(H) × 36(D)mm				
Weight		240g (includ	ling Battery)		
Approval		Ex iad IIC T	3/T4 (IP67)		

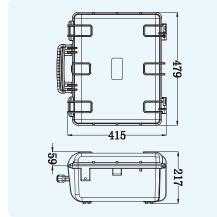


DOCKING STATION



Docking station maximizes the performance of SGT/MGT devices. It calibrates and does bump test up to four SGT/MGT devices simultaneously, helping to reduce time. Through Bump test, Docking station tests the gas sensor response and alarm of the devices. In addition, it automatically upgrades the firmware of the devices when the devices are connected to Docking station. Event logs are saved into the USB memory and provide analyses for users. The options can be set by connecting Docking station with PC or IR link.

- Calibration, Bump Test
- Displays status on Power LED and Unit LED
- Saves the status and results of Docking station and SGT
- Upgrades Docking and SGT Firmware
- Saves the log data of Docking station and SGT
- Supports user options using a PC program (IR Link/USB)



IR LINK







SPECIFICATION

Model	for SGT	for MGT			
Size	$47 \times 41 \times 22$ cm ($18.50 \times 16.14 \times 8.66$ in.)				
Weight (Without gas cylinder)	8.2kg				
Operating Temperature	41 to +104°F	- (5 to +40°C)			
Warrenty	Full 2	years			
Battery Type	Rechargeabl	e Lithium Ion			
Battery Life	1000 Bump Tests				
LEDs	5 red/green/orange LEDs(1 for each unit, 1 for power)				
Memory	USB 8GB	Standard			
Log Capacity	Approximately Up to 10 million tests (8GB,removable USB memory)	Approximately Up to 5 million tests (8GB, removable USB memory)			
Tests Performed	Bump Test ar	nd Calibration			
Information Stored	Bump/Cal Logs, Individual Monitor Even	t Logs, Firmware and Unit Configurations			
Gases Available	CO, H_2S and O_2	LEL, CO, H ₂ S and O ₂			
Unit Compatibility	Works with SGT Works with MGT				
Calibration Gas	Compatible with 58L cylinders				
Charging Adaptor	12V	/, 3A			

SP-CHARGER201

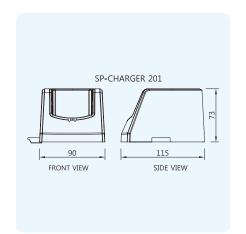
EXPLICATION AND FEATURES

SP- charger 201 is provided with SP12C7 as a basic package

- The handy stationary charger
- With one electric sources, several chargers can be used simultaneously
- Electric source and charging status LED



INSTRUCTION OF USE





SAMPLING PUMP

SP-PUMP101



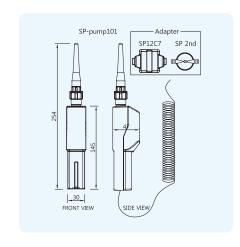
Sampling pump is designed to be used by connecting to SP12C7 and SP2nd model.

This can be used to check if there is gas leakage when measure the gas underground manhole.

- Simple structure to install locking
- Excellently durable industrial pump installed
- Automatic checking of chocking

APPLICATIONS

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



INSTRUCTION OF USE





SPECIFICATION

Model	SP-Pump101			
Flow rate	Minimum 500cc/min			
Alarm display	Low flow alarm / Low battery alarm (Red LED)			
Operating temperature	-20°C ~ 50°C			
Operating humidity	5% to 99% RH(Non-condensing)			
Battery power	1.5V AA size Alkaline battery 1EA			
Battery life time	More than 10 hours			
Dimensions	30(W) × 254(H) × 47(D)mm			
Weight	260g (including Battery)			

SP SECURE

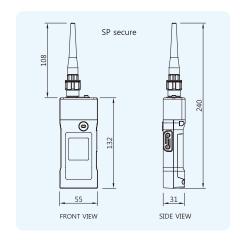
EXPLICATION AND FEATURES

SP secure is designed to be suitable for leak detection of any gas piping and valves by equipping a built-in sampling pump. Since the measured gas concentration is displayed in digital number, accurate measurement is possible.

- Sampling pump built in structure
- The digital concentration display
- Detector for the gas leakage
- Both rechargeable battery and alkaline battery are compatible
- Adopt the sensor which detect the low concentrated

APPLICATIONS

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



SPECIFICATION

Model		SP Sc	ecure			
Measuring gas	LNG/LPG, Combustible Gas	ŀ	12	Xylene		
Measuring type		Auto Sampling type				
Measuring method	Catalytic	Catalytic	Electrochemical cell	IR		
Measuring range	0~100%LEL	0~100%LEL	0~1000ppm	0~100%LEL		
Sensor life time	> 2 years	> 5 years	> 2 years	> 2 years		
Response time	<10sec/90% scale	<10sec/90% scale	<75sec/90% scale	<30sec/90% scale		
Operation time		About 1	2 hours			
Accuracy		±3%/Fu	ıll scale			
Resolution	1%LEL	1%LEL	Within 5ppm	1%LEL		
Parameter Control		Right Side switch(calibration	, maintenance, alarm setting)			
Operation mode display	Visua	Visual : alarm & status icon, Trouble RedLED Audible : buzzer(90dB @ 10cm)				
Measuring value display		LCD Displ	ay(3-digit)			
Alarm display		Visual : alarm & statu	s icon Audible : buzzer			
Alarm level set		Programmable within dectection range				
Sampling method		Internal san	npling pump			
Flow rate		0.5 lit	er/min			
Program set mode		Alarm value(1,2 alarm)				
Operating temperature		-20°C	~ 50°C			
Operating humidity		10 to 95% RH(Non-condensing)				
Battery power		Rechargeable NI-MH or AA Alkaline battery 3ea				
Battery life time		More than 12 hours				
Material	Poly carbonate					
LCD size	32(W) × 40(H)mm					
Dimensions	55(W) × 240(H) × 31(D)mm					
Weight		260g (Batte	ry Including)			
Approval		Ex d ia IIE	3 T3 (KGS)			
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SI-100



EXPLICATION AND FEATURES

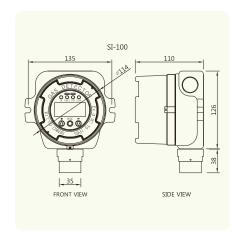
SI-100 is a fixed gas detector installed in a place where potential gas hazard exists to measure oxygen, toxic gas and combustible gas.

It shows not only the concentration of gas but also diagnostic result of the unit itself through the LCD display and can be connected to the controller with a standard 4-20mA analog output communication or RS-485 digital communication.

- SI-100 measures the concentration of the flammable gas, toxic gas, oxygen and display with LCD
- Easy magnetic bar operation
- Big digital LCD installed with a blue backlight
- Explosive proof structure
- Water/dust proof structure
- Simple gas calibration



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



SPECIFICATION

Model		SI	I-100		
Measuring gas	Combus	tible Gas	Toxic Gas	Oxygen	
Measuring type		Diffus	sion Type		
Measuring method	Catalytic	IR	Electrochemical cell	Galvanic	
Measuring range	0~100%LEL	0~100%LEL	Refer to the list (P.23)	0~30%VOL	
Sensor life time	> 5 years	> 2 years	> 2 years	< 2 years	
Response time	<15sec/90% scale	<30sec/90% scale	Refer to the list (P.23)	<15sec/90%scale	
Accuracy		±3%/I	Full scale		
Resolution	1%LEL	1%LEL	Refer to the list (P.23)	0.1%VOL	
Parameter Control		Front 3 magnetic switch(calibra	ation, maintenance, alarm setting)		
Operation mode display		Digital LCD display, LCD	Backlight, 4 Indicator LED		
Measuring value display		Digital LCD I	Display(4-digit)		
Alarm display	Visual : LCD alarm display, LCD Backlight, Indicator LED				
Alarm output signal	Relay contact(Max 30Vdc, 5A) when Alarm occurred				
Alarm level set	Programmable within dectection range				
Output signal	Analog : 4-20mA, Digital : RS-485(Option)				
PC interace	RS_485(Option)				
Cable/Distance	CVVSB 1.5sq or	AWG20/2,500m max, RS-485 data co	ommunication cable: 1pair(UL2919 RS-4	85)/1,200m max	
Conduit connection	NPT 3/4" (2way)				
Mounting type		Wall	l mount		
Program set mode	Alarm valu	ue(1,2,3 alarm) Alarm time(instant&de	elay)1~30min Alarm dead band Relay ou	tput on/off	
Operating temperature		-20°C	~ +55°C		
Operating humidity		5% to 95% RH	(Non-condensing)		
Operating power		10~30V	/dc 600mA		
Material		Aluminium, Stair	nless steel(STS304)		
LCD size	55(W) × 30(H)mm				
Dimensions		135(W) × 164	4(H) × 110(D)mm		
Weight	1.9kg				
Approval		Ex d IIC T5 (IP65)_Korea Ex,	IECEx, ATEX, CNEx, INMETRO		
Option		Battery type, Built-	-in light bar, Movable		

SI-100C

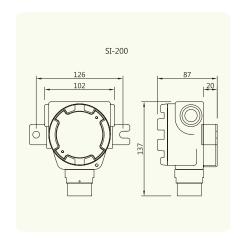


SI-100C is a fixed gas detector installing in a place where potential gas hazard exists to measure oxygen, toxic gas and combustible gas without LCD display. It can be connected to the controller with a standard 4-20mA analog outputs.

- Explosive proof structure
- Water/dust proof structure
- 4-20mA Analog outputs
- Built-in Calibration Mode

APPLICATIONS

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



SPECIFICATION

Model		SI-1	100C			
Measuring gas	Combust	ible Gas	Toxic Gas	Oxygen		
Measuring type		Diffusion Type				
Measuring method		Catalytic IR Electroc	hemical cell Galvanic			
Measuring range	0~100%LEL	0~100%LEL	Refer to the list(P.23)	0~30% VOL		
Sensor life time	> 5 years	> 2 years	> 2 years	< 2 years		
Response time	<15sec/90% scale	<30sec/90% scale	Refer to the list(P.23)	<15sec/90%scale		
Accuracy		±3%/F	ull scale			
Resolution	1%LEL	1%LEL	Refer to the list (P.23)	0.1%VOL		
Parameter		Control Switch(calibration), Adm	in Console(maintenance, OPTION)			
Operation mode display		2-LED(Operating and Z	'ero Cal, Span Cal. LED)			
Output signal		4-20mA DC(3wire)				
Cable/Distance	Signal cable: 3-wire > 0	Signal cable: 3-wire > CVVSB 1.5sq or AWG20 Power + Signal cable: 2-wire > CVVSB 1.5sq or AWG2				
Conduit connection		NPT 3/4	4" (2way)			
Mounting type		Wall	mount			
Setting		1 Switch Interface(Calibration), Console set available(Option)			
Remote Set	(Zero Calibration, Span Calibra	via Console (Zero Calibration, Span Calibration, Calibration Gas Concentration Set, Factory default,4-20mA Calibration, Range Set, Data Logging)				
Operating temperature		-20°C	~ +55°C			
Operating humidity		5% to 95% RH(Non-condensing)				
Operating power		7V to 40V INPUT DC (12V or 24V DC 60mA normal)				
Material	Aluminium, Stainless steel(STS304)					
Dimensions	102(W) × 137(H) × 87(D)mm					
Weight		1.	0kg			
Option		Cor	nsole			
Approval		Ex d IIC T5 (IP65)_Korea Ex,	IECEx, ATEX, CNEx, INMETRO			

MULTI CHANNEL GAS MONITOR FOR FIXED GAS DETECTORS

SI-100IM

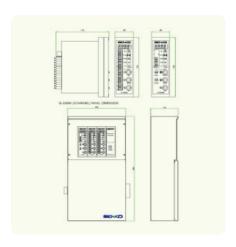


FEATURES

SI-100IM consists of a Main Alarm unit and Alarm display units. From the one main unit, the alarm display unit can be constructed from 1 to 10 units. SI-100IM is designed as DIN type, so the device can be manufactured in the wall mount panel type, Standalone type, or 19"Rack type according to a user's preference.

- Scphisticated design and simple structure
- 4Digit F.N.D Digital Display
- 40 LED Bar Graph (%, PPM, LEL unit display)
- Fault, 1st, 2nd, 3rd Alarm Icon
- 40 Red Arrow LED Graph(<) Display
- Easy zero and standard gas calibration
- Self Diagnosis mode
- Display the frequency of calibration
- · Back-up Battery installed
- Data Recovery function





APPLICATIONS

Steelworks, petrochemical, refining, shipbuilding, wastewater treatment plants and septic tank, LPG tank facilities, LNG gas plant, Warehouse

SPECIFICATION

	Main Alarm Unit	Alarm Display Unit			
Model No	SI-100IM	SI-100IA			
Measuring Range	0-30V FND Digital Display	0.000 to 9999 Digital User Setting			
Measuring Display	4Digit FND Digital Display 18 LED Bar Graph, Battery, B/Z Stop (V Unit Display)	4Digit F.N.D Digital Display 40 LED Bar Graph (%, PPM, LEL Unit Display)			
Alarm Display	Fault, 1st, 2nd, 3rd Alarm ICON AU01~AU10 (Alarm Unit, indicating in order)	Fault, 1st, 2nd, 3rd Alarm ICON 40 Red Arrow LED Graph(⊲)			
Alarm Sound	Buzzer 92dB				
Input Signal		4-20mA Full Scale			
Output Signal	1st, 2nd, 3rd Relay Dry Contact, 12V.DC Fault, 1st, 2nd, 3rd Relay Dry Contact, 4-2				
Accuracy	FND Digital ±1% Full Scale or 1Digit (Whicheve FND Digital ±1% Full Scale or 1Digit (Whicheve				
Alarm Set	depend on configuration of SI-100IA	1st, 2nd, 3rd Alarm Setting 40 Red Arrow LED Graph(<) Setting			
Alarm Reset	Manual Total Reset & HMI	Manual Local Reset			
Self Test	Battery Test Switch (AC/DC)	Test Switch (0~Max Range 10sec)			
Operating in/out	RS-485 Modbus (SI-100ICU)_Option				
Scan Time	10ms	10ms			
Back-Up Battery	Ni-Cd Battery 18V 600mA (3, 6Channel)				
Operating Power	110/220V.AC 50/60Hz (or 24V.DC)				
Temperature / Humidity	-20°C ~ 60°C, 95%RH	-20°C ~ 60 °C, 95%RH			
Dimensions	Main Channel Card : 40(W) × 130(H) x104(D)mm Wall Mount Panel 3CH : 278.5(W) × 450(H) x115(D)mm Wall Mount Panel 6CH : 398.5(W) × 450(H) x115(D)mm	Alarm Channel Card : 40(W) × 130(H) x104(D)mm			
Weight	3CH : 7.3kg, 6CH : 10kg				
Option	Built-in light bar				

SPECIAL RECEIVER FOR FIXED GAS DETECTOR (BAR-GRAPH TYPE)

SI-100IS

SHOOLS

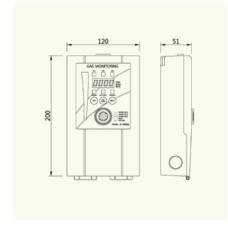
FEATURES

- Sophisticated design and simple structure
- Display using the Bar-Graph depend on alarm steps. (1st, 2nd, 3rd Alarm)
- 3 Colored LED and F.N.D gas concentration display
- Easy zero calibration and built-in calibration mode
- Self test mode
- Display the number of calibrations
- RS-485 (Option)
- Built-in light bar (Option)

APPLICATIONS

Steelworks, Sewage treatment plant, Petrochemical plant, Shipbuilding yard, LPG tank facilities, LNG gas plant, Warehouse





SPECIFICATION

Model	SI-100IS					
Measuring range	Programmable within dectection range					
Display	30-Bar graph, 3 Alarm LED, 3 Status LED, 7-Segment(4Digit)					
Sound	buzzer(Alarm1,2,3, Reset, Fault), 80dB					
Operation mode display	3 Alarm LED, 3 Status LED					
Measuring value display	30-Bar graph, 7-Segment(4Digit)					
Alarm level set	Alarm1,2,3 Programmable within dectection range					
Alarm signal output	Alarm 1,2,3 - 12V.DC, Dry contact (com, no, nc), comm 12V.DC, Dry contact(com, no, nc)					
Input Signal	4/20mA signal					
Cable/Distance	CVVSB 1.5sq or AWG20 × 3wire (Power + Signal) / 2,500m max					
Mounting type	Wall mount					
Program set mode	ALARM1,2,3, Range, 4-20mA Calibration etc.					
Operating temperature	-20°C ~ +50°C					
Operating humidity	5%~95%RH(Non-condensing)					
Operating power	100~240V INPUT AC (50/60Hz), <0.24A					
Material	ABS AF308					
Dimensions	120(W) × 200(H) × 51(D)mm					
Weight	0.5kg					
Option	RS-485 Module					

GAS LEAK DETECTOR



EXPLICATION AND FEATURES

SI-100D SET is a combustible gas detector that consists of a sensing unit and a receiver. This is used to detect gas leaks in the pipe or valve.
SI-100D SET is a low-priced entry-level products.

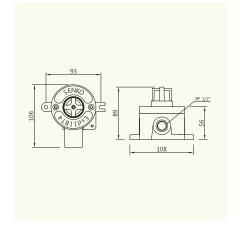
DETECTOR SI-100D

- Explosion proof structure
- Long distance communication with 4~20mA analog output
- Convenient installation
- Simple structure, reasonable price

APPLICATIONS

Steelworks, Sewage treatment plant, Petrochemical plant, Shipbuilding yard, LPG tank facilities, LNG gas plant





SPECIFICATION

Model	SI-100D				
Measuring range	LNG/LPG(methane/propane)				
Measuring type	Diffusion type				
Measuring method	Catalytic				
Measuring range	0~100%LEL				
Sensor life time	> 2 years				
Response time	<10sec/90%scale				
Accuracy	±3%/Full scale				
Output signal	4-20mA DC				
Cable/Distance	CVVSB 1.5sq or AWG20 × 3wire (Power + Signal) / 2,500m max				
Conduit connection	NPT 1/2"				
Mounting type	Wall mount				
Operating temperature	-20°C ~ +50°C				
Operating humidity	0%~95% RH(Non-condensing)				
Operating power	24V DC +/- 20%, <90mAh				
Materianl	Aluminium				
Dimensions	93(W) × 106(H) × 89(D)mm				
Weight	0.6kg				
Approval	Ex d II B T4/14-KB2BO-0422 (KTL)				

RECEIVER FOR FIXED GAS LEAK DETECTOR

SI-100I



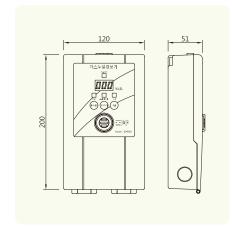
RECEIVER SI-100I

- Simple structure, reasonable price.
- Sophisticated design and simple structure
- 3 Colored LED and F.N.D gas concentration display.
- Easy zero calibration and built-in calibration mode
- Self test mode
- Displays the number of calibration and sensor efficiency.
- Built-in light bar (Option)

APPLICATIONS

Steelworks, Sewage treatment plant, Petrochemical plant, Shipbuilding yard





SPECIFICATION

Model	SI-100I				
Measuring range	0~100%LEL				
Display	1 Alarm LED, 3 Status LED, 7-Segment(3Digit)				
Sound	buzzer(Alarm, Reset, Fault), 80dB				
Operation mode display	1 Alarm LED, 3 Status LED				
Measuring value display	7-Segment(3Digit)				
Alarm level set	15%LEL				
Alarm signal output	12V.DC, Dry contact (com, no, nc)				
Input Signal	4/20mA signal				
Reset signal	Reset switch				
Cable/Distance	CVVSB 1.5sq or AWG20 × 3wire (Power + Signal) / 2,500m max				
Mounting type	Wall mount				
Operating temperature	-20°C ~ +50°C				
Operating humidity	5%~95%RH(Non-condensing)				
Operating power	100~240V INPUT AC (50/60Hz), <0.24A				
Material	ABS AF308				
Dimensions	120(W) × 200(H) × 51(D)mm				
Weight	0.48kg				

SI-100 WIRELESS

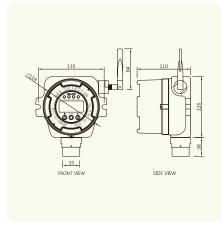


SI-100 Wireless is a fixed gas detector installed in a place where potential gas hazard exists to measure oxygen, toxic gas and combustible gas. It shows not only the concentration of gas but also iagnostic result of the unit itself through the LCD display and can be connected to the controller with RF commucation wirelessly.

- Easy Installation/removal because no wiring works are required
- Economic system which doesn't require any wiring construction
- Water/Dust proof structure
- Same functions with Fixed Gas Detector working with wiring electrical power source
- Tracking is possible with its own address-Maintenance and Replacement are simple

APPLICATIONS

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



* Various gas sensors can be applied

SPECIFICATION

Model		SI-100	Wireless			
Measuring gas	Combus	tible Gas	Toxic Gas	Oxygen		
Measuring type	Diffusion Type					
Measuring method	Catalytic IR Electrochemical cell Galvanic					
Measuring range	0~100%LEL	0~100%LEL	Refer to the list (P.23)	0~30%VoI		
Sensor life time	> 5 years	> 2 years	> 2 years	< 2 years		
Response time	<15sec/90% scale	<30sec/90% scale	Refer to the list (P.23)	<15sec/90% scale		
Accuracy		±3%/F	-ull scale			
Resolution	1%LEL	1%LEL	Refer to the list (P.23)	0.1%Vol		
Parameter Control		Front switch(calibration, r	maintenance, alarm setting)			
Operation mode display	4-LED(Power, 2-stage alarm, 1-trouble)					
Measuring value display	LCD Display(4-digit), Built in back light					
Alarm display	Visual : 2-stage alarm, Trouble LED					
Alarm output signal	2-stage alarm, Trouble AC250V 5A relay contact(SPDT)					
Alarm level set	Programmable within dectection range					
Alarm signal output	250V 1A/3-SPST relay contact(2-stage alarm, 1-trouble)					
Frequency	433MHz, 914MHz, 2.45Ghz					
Mounting type	Wall mount					
Program set mode	Alarm value(1,2 alarm) 4-20mA Calibration					
Operating temperature	-20°C ~ 50°C					
Operating humidity	5% to 99% RH(Non-condensing)					
Battery power	Battery : 3.6V 1.46A					
Battery life time	6~12 months					
Material	Aluminium, Stainless steel(STS304)					
LCD size	55(W) × 30(H)mm					
Dimensions	150(W) × 165(H) × 110(D)mm					
Weight	1.9kg					
Approval	<u> </u>	Ex d IIC T	5 IP65 (KTL)			

GAS SENSOR

OXYGEN SENSOR SS1118 (0~100%)

- With high concentrated oxygen measuring sensor, only for the Oxygen generator and medical sensor
- Measure the oxygen's pressure in the air



HYDROGEN SULFIDE SENSOR SS2198

 Suitable to monitor the petrochemical, oil refining, waste water treatment, drain water treatment, manhole, mining



OXYGEN SENSOR SS2118 (0~30%)

- As the measuring sensor of the oxygen in the air, suitable for the portable equipment and industrial equipment
- Excellent accuracy and response time



IR (INFRARED) SENSOR

- Gas measuring Sensor only for the flammable gas and carbon dioxide, nitrogen dioxide
- The Infrared sensor which has Very fast response and excellent accuracy can easure the flammable gas in the nonoxygen space



CARBON MONOXIDE SENSOR SS2128

- Fire monitoring application for the portable equipment, industrial safety equipment, boiler room, parking place
- Excellent stability of the output signal and little affected by other gases



HYDROGEN SENSOR SS2178

- Suitable to monitor the power plant, hydrogen fuel battery, hydrogen tank, hydrogen leakage and processes
- Minimize the interference on the hydrogen sulfide



SPECIFICATION
** Various Sensors available

Model	SS1118	SS2118	SS2128	SS2178	SS2198	IR sensor	
Detecting Gas	Oxygen	Oxygen	Carbon monoxide	Hydrogen	Hydrogen sulfide	Hydro Carbon, CO2 etc	
Nominal Range	0~100%	0~30%	0~2,000ppm	0~1,000ppm	0~100ppm		
Maximum Overload	-	-	5,000ppm	2,000ppm	550ppm		
Eapected operating Lift(years)	< 2 years	< 2 years	> 2 years	> 2 years	> 2 years		
Output Singnal	6.0± 1.0mV	90± 20µA@/20.9% Oxygen	70±20nA/ppm	15±10nA/ppm	700±200nA/ppm		
Resolution	0.1%	0.1%	0.5ppm typical	2ppm	< 0.1ppm typical		
Temperature Range			-20°C ~ +50°C				
Pressure Range		Atmospheric ±10%					
T90 Response Time	≤ 15 sec	≤ 15 sec	≤ 25 sec	≤ 30 sec	≤ 20 sec	Depends on the type of the gas	
Relative Humidity Range			15~90% RH			322	
Typical Baseline Range (pure air)	-	-	≤±2ppm CO equivalent	0 to 30ppm	≤±2ppm H₂S equivalent		
Maximum Zero Shift (+20°C to +40°C)	-	-	-2 to 3ppm	-20ppm equivalent	0.2ppm equivalent		
Long Term Output Drift	Less than 5%/year	Less than 5%/year	Less than 5%/year	Less than 5%/year	Less than 5%/year		
Recommended LoadResistor	-	100Ω	10Ω	10Ω	10Ω		
Bias Voltage	Not required	Not required	Not required	Not required	Not required		
Repeatability	2% of signal	2% of signal	≤±2ppm CO equivalent	2% of signal	≤±2ppm CO equivalent		
Output Linearity		Linear					
Weight	7g	18g	6g	6g	6g	15g	
Positon Sensitivity		None					
Storage Life	6 months						
Recommended Storage Temperature		0~20°C					
Warranty Period	1 year	1 year	1 year	1 year	1 year	1 year	

SI-100 SPECIFICATION

* It is available to order various sensors including below list.

Gas		Sensor	Range	A1	A2	Resolution
Oxygen	O ₂	Electrochemical	0~30%vol	19.0%vol	23.0%vol	0.1%vol
Carbon Monoxide	CO	Electrochemical	0~500ppm	30ppm	60ppm	1ppm
Sulfur dioxide	SO ₂	Electrochemical	0~20ppm	2ppm	5ppm	0.1ppm
Hydrogen	H ₂	Catalytic	0~100%LEL	0~10%LEL	20%LEL	1%LEL
Hydrogen	H ₂	Electrochemical	0~1000ppm	100ppm	500ppm	within 5ppm
Hydrogen sulfide	H₂S	Electrochemical	0~100ppm	10ppm	15ppm	1ppm
Hydrogen sulfide	H₂S	PID	0~50ppm	10ppm	15ppm	0.1ppm
Combustible	-	Catalytic	0~100%LEL	10%LEL	20%LEL	1%LEL
Combustible	-	IR	0~100%LEL	10%LEL	20%LEL	1%LEL
Ammonia	NH3	Electrochemical	0~100ppm	25ppm	35ppm	1ppm
Acetylene	C ₂ H ₂	Catalytic	0~100%LEL	10%LEL	20%LEL	1%LEL
Ethanol	C ₂ H ₅ OH	Catalytic	0~100%LEL	10%LEL	20%LEL	1%LEL
Toluene	C ₆ H ₅ CH ₃	IR	0~100%LEL	10%LEL	20%LEL	1%LEL
Toluene	C ₆ H ₅ CH ₃	Catalytic	0~100%LEL	10%LEL	20%LEL	1%LEL
Acetic acid	CH₃COOH	Catalytic	0~100%LEL	10%LEL	20%LEL	1%LEL
Methane	CH ₄	IR	0~9999ppm	5000ppm	6000ppm	Within 20pp
Methane	CH ₄	IR	0~100%LEL	10%LEL	20%LEL	1%LEL
Methane	CH ₄	IR	0~100%vol	5%vol	6%vol	1%vol
Chlorine	Cl ₂	Electrochemical	0~5ppm	0.5ppm	1.0ppm	0.1ppm
Chlorine	Cl ₂	Electrochemical	0~20ppm	0.5ppm	1.0ppm	0.1ppm
Carbon Dioxide	CO ₂	IR	0~2000ppm	1000ppm	1500ppm	Within 3ppr
Carbon Dioxide	CO ₂	IR	0~5000ppm	3000ppm	5000ppm	Within 3ppr
Carbon Dioxide	CO ₂	IR	0~5%vol	0.5%vol	3.0%vol	0.1%vol
Hydrogen Chloride	HCI	Electrochemical	0~10ppm	1ppm	2ppm	0.1ppm
VOC	VOC	PID	0~1000ppm	50ppm	100ppm	Within 3ppr
Xylene	C ₆ H ₄ (CH ₃) ₂	IR	0~100%LEL	10%LEL	20%LEL	1%LEL

SI-100C SPECIFICATION

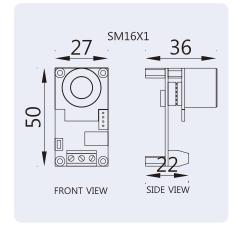
※ It is available to order various sensors including below list.

Gas	_	Sensor	Range	A1	A2	Resolution	
Oxygen	02	Electrochemical	0~30%vol				
Carbon Monoxide	CO	Electrochemical	0~500ppm				
Hydrogen	H ₂	Catalytic	0~100%LEL				
Hydrogen	H ₂	Electrochemical	0~1000ppm		B.C. et al. 1		
Hydrogen sulfide	H ₂ S	Electrochemical	0~200ppm	Refer to the alarm set points in the SI-100 Specification			
Combustible	-	Catalytic	0~100%LEL		in the or-roo opecinication		
Ethylene Oxide	C ₂ H ₄ O	IR	0~100%LEL				
Methanol	CH₃OH	Catalytic	0~100%LEL				
Ammoia	NH ₃	Electrochemical	0~100ppm				

EXPLICATION AND FEATURES

Generally, the gas sensor could be divided as 4 kinds such as the electric chemical type, the semi-conductor type, the optic type, the catalytic. The application of each sensor type is quite different. It is important to adopt the proper gas sensor depend on the gas type, environmental factor in the using area, sensing range, resolving ability, cost, etc. Senko Co., Ltd is trying to provide the most proper gas sensor and modules depend on customers" requests, keeping lots of the technology development and Know How related with the gas sensor.

- The carbon dioxide sensor module sequenced with the air conditioner
- The smell sensor module for home appliance(TVOC sensor adopted)
- Hydrogen detecting module for the fuel battery
- Electric sensor transmitter only for the electric chemical sensor type
- Concentrated Oxygen Sensor Modules for the Oxygen Generator
- Concentrated Odor sensor module
- Module related with the electronic nose



HYDROGEN SUL SS1198

SPECIFICATION

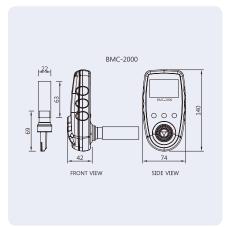
Model	SM16X1								
Measuring gas	02	02	CO	H₂S	H ₂	H ₂	NH₃		
Measuring type				Diffusion Type					
Measuring method	Electrochemical	Electrochemical	Electrochemical	Electrochemical	Electrochemical	Catalytic	Electrochemical		
Measuring range	0~100%	0~30%	0~500ppm 0~1000ppm	0~100ppm	0~1000ppm	0~100%LEL	0~100ppm		
Sensor life time	< 2 years	< 2 years	> 2 years	> 2 years	> 2 years	> 2 years	> 2 years		
Response time	T90 < 5 sec	T90 < 15 sec	T90 < 15 sec	T90 < 30 sec	T90 < 30 sec	T90 < 10 sec	T90 < 90 sec		
Accuracy		±3%/Full scale							
Sensitivity	0.10%	0.10%	1ppm 3ppm	0.5ppm	5ppm	1%LEL	0.5ppm		
Output signal		4-20mA							
Operating temperature		-10 ~ 50°C							
Operating humidity	15~90%RH								
Operating power	9-30VDC (Max 80mA @ 12VDC) (Galvanic, Electrochemical - 10-15mA, IR or Catalytic - 50mA)								
Dimensions		50(W) × 27(H) × 36(D)mm							
Weight				Module 26g					

Measuring gas	SO ₂	NO ₂	NO	CH ₄	CH ₄	CO ₂		
Measuring type			Diffusion	on Type				
Measuring method	Electrochemical	Electrochemical	Electrochemical	Catalytic	IR	IR		
Measuring range	0~20ppm	0~20ppm	0~250ppm	0~100%LEL	0~100%vol 0~100%LEL (0~5%vol)	0~2000ppm 0~5000ppm		
Sensor life time	> 2 years	> 2 years	> 2 years	> 2 years	> 2 years	> 2 years		
Response time	T90 < 35 sec	T90 < 50 sec	T90 < 45 sec	T90 < 10 sec	T90 < 30 sec	T90 < 30 sec		
Accuracy	±3%/Full scale							
Sensitivity	0.1ppm	0.1ppm	1ppm	1%LEL	1%vol 1%LEL	3ppm 7ppm		
Output signal		4-20mA						
Operating temperature	-10 ~ 50°C							
Operating humidity	15~90%RH							
Operating power	9-30VDC (Max 80mA @ 12VDC) (Galvanic, Electrochemical - 10-15mA, IR or Catalytic - 50mA)							
Dimensions	50(W) × 27(H) × 36(D)mm							
Weight		-	Modu	le 26g				

EXPLICATION AND FEATURES

BMC-2000 can be used in smoking cessation programs by healthcare professionals. And it also can be used as a noninvasive method to get %COHb in the patient's blood and to screen CO poisoned patients by medical man. The small size and light weight make the BMC-2000 ideal for hand held use. It is mainly used in smoking cessation clinics; it is used for instructional purposes to check on the client's progress and compliance.

- Non-Invasive method to know how much carbon monoxide(CO) poisoned
- Indirect and simple instrument to measure carboxyhemoglobin(COHb)in blood
- Easy to discriminate smoker
- Easy to recognize the degree of CO poisoning (smoking habit)
- Two language (English, Korean) are provided
- · CE certificate of European medical equipment
- Concentration of CO in breath and percentage of COHb in blood are displayed simultaneously
- Adult / Pregnant / Young mode are provided
- Manage analysis data through software



SPECIFICATION

Model	BMC-2000				
Measuring gas	CO				
	**				
Measuring type	Breath through the mouth				
Measuring method	Electrochemical cell				
Measuring range	0~100ppm, 0~500ppm				
Countdown	15 seconds				
Accuracy	±5%/Full scale or 1ppm				
Hydrogen cross sensitivity	5~10% / Full scale				
Resolution	1ppm				
Parameter Control	Front 3 switch(calibration, maintenance, configuration setting)				
Operation mode display	Visual : Graphic LCD Display, LED Indicator Audible : buzzer				
Measuring value display	Graphic LCD Display				
LED indicator	7 Steps (Green/Amber/Red)				
Reset signal	Auto Power OFF				
Mounting type	Pocket, Hand carry				
User mode	Adult / Adolescent				
Program set mode	Language(Korean, English), Age, Sound, Calibration				
Operating temperature	0°C ~ +40°C				
Operating humidity	5 to 95%RH(Non-condensing)				
Mouthpiece adapter	D type bacteria filter				
Disposable mouthpiece	Diameter 22mm				
Material	PC+ABS				
LCD size	50(W) × 30(H)mm				
Dimensions	74(W) × 140(H) × 42(D)mm				
Weight	160g				

CERTIFICATES



Business License



TR CU



CE Conformance Report(SPsecure)



Declaration of Conformity(SP2nd)



EC Declaration of Conformity(BMC-2000)



Factory Registration Certificate



Certificate of Russia(Gost-R)



Safety Certificate(SPsecure)



Safety Certificate(SP2nd)



ATEX(SGT)



Foreign Investment Enterprises



IECEx



CE conformance Report(SI-100)



TestCertificate(SP12C7)



CSA(SGT)



Certificate of quality management systems



Certificate of China



CPA(SI-100)



Declaration of Conformity(SP12C7)



IECEx(SGT)



Certificate of Green Technology



CNEx



IECEx(SI-100)



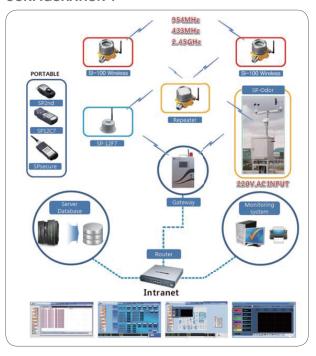
Safety Certificate(SP12C7)



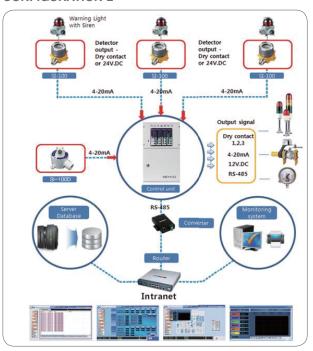
Inmetro(SGT)

MONITORING SYSTEM CONFIGURATION

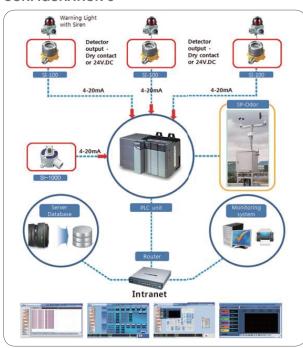
CONFIGURATION-1



CONFIGURATION-2



CONFIGURATION-3



CONFIGURATION-4

