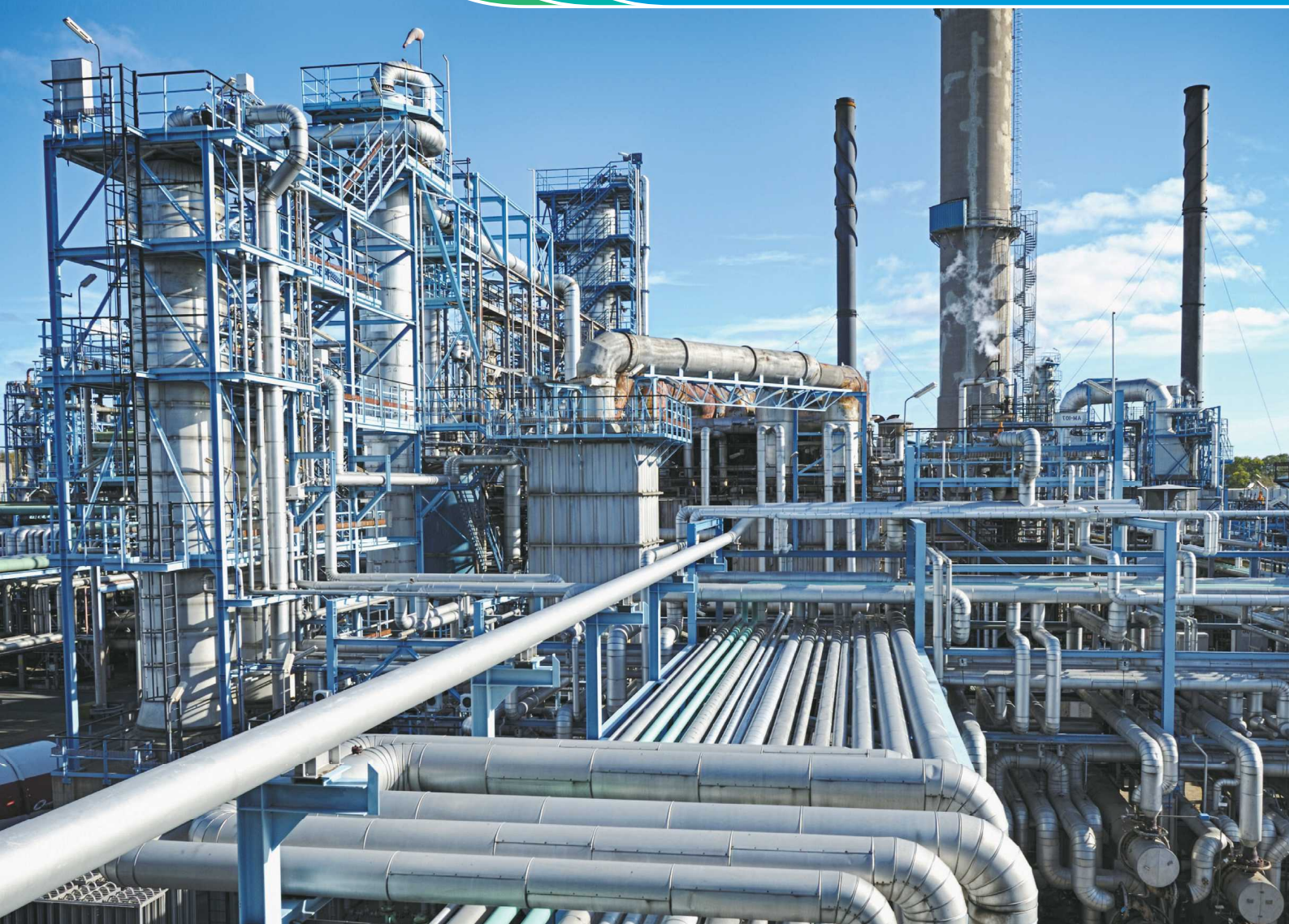


Better Safety, Better Life Challenge, Innovation

Human Beings, Environment and
Technology in Harmony

SenKo Co.Ltd.

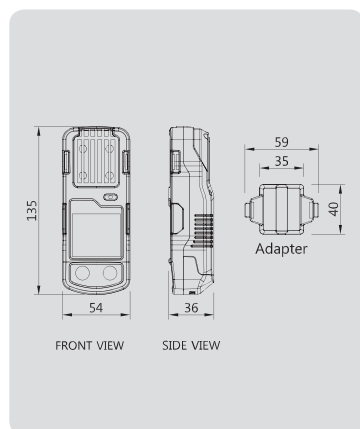
SENKO



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(CH₄)) 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
- Data logging (Under development)

Applications

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



Specification

Model	SP12C7			
Measuring gas	CH ₄	O ₂	CO	H ₂ S
Measuring type	External Pump or Diffusion Type			
Measuring method	Catalytic	Electrochemical cell	Electrochemical cell	Electrochemical cell
Measuring range	0~100%LEL	0~30%VOL	0~500ppm	0~100ppm
Sensor life time	> 2 years	> 18Month	> 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			
Sampling method	External Pump(Sampling) or Diffusion			
Flow rate	External Pump : 0.5 Liter / min			
Mounting type	Belt Clip			
Program set mode	Alarm value(1,2 alarm)		Alarm value(1,2,TWA, STEL alarm)	
Operating temperature	Calibration Gas concentration Use sensor select Password Setting -20℃ ~55℃			
Operating humidity	5 to 95% RH(Non-condensing)			
Battery power	Rechargeable NI-MH or AA 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			
Option	SP-PUMP101 (External Pump)			
Approval	EX iad IIC T4 IP67(KGS)			

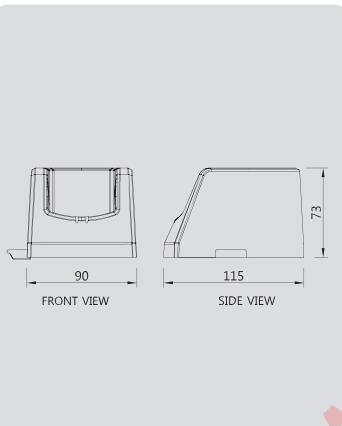
Charger SP-Charger201

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



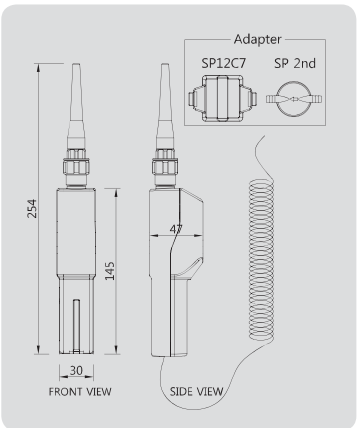
Instruction Of Use



Sampling Pump SP-Pump101

Explication and Features

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)



Instruction Of Use

Specification

Model	SP-Pump101
Flow rate	Minimum 300cc/min
Alarm display	Low flow alarm / Low battery alarm (Red LED)
Operating temperature	-20℃~50℃
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	200g (Battery Including)



Certificates



Business License



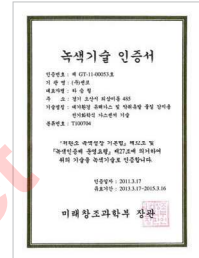
Factory Registration Certificate



Foreign Investment Enterprises



Certificate Of Registration



Certificate Of Green Technology



Safety Certificate (SP2nd)



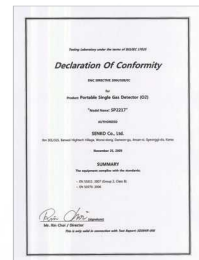
Safety Certificate (SP12C7)



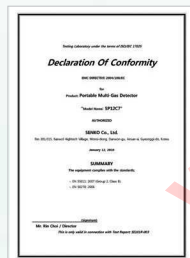
Safety Certificate (SPsecure)



Certificate Of Approval (SI-100)



Declaration Of Conformity (SP2nd)



Declaration Of Conformity (SP12C7)



CE Conformance Report (SPsecure)



ATEX Certificate



Certificate Of China



Certificate Of Russia (Gost-R)



Certificate Of Brazil



CB Test Certificate (SP2nd)



CB Test Certificate (SP12C7)



CPA Certificate (SI series)



CPA Certificate (SP2nd series)



SENKO
SenKo Co., Ltd



www.eastern-energy.net

Email: info@ete.co.th