

SENKO

SP 2nd Portable Gas Detector

SP2nd portable single gas detector designed to detect the presence of hazardous gas in ambient environment. SP2nd single gas detector continuously monitors ambient air for the presence of a **specific gas concentration for which instrument** has been procured and alerts the user to potentially unsafe exposure providing alarms including flashing LED light, vibration and high decibel audible alarms in the event that gas concentration exceeds alarm set points. In addition, instrument also reports its operational status reporting sensor error if any to avoid misuse or mishaps. The instrument is capable of logging 20 sets of data.

SP2nd is an economical gas detector which is easy to use; the instrument only weights approx. 100grams, operates on two button selectors including power on/off and has a rubber shock resistant casing to allow use in any environment.

SP2nd single gas detector is modular in design and **all components including sensor or battery can be replaced** by the master service center **after expiry of life of gas sensor**.

Also available as optional for use with SP2nd is the **Sampling pump** with sampling probe available in 5m and 10m length options for sampling gas concentration levels in enclosed areas.

SP2nd has received all major international certifications and approvals including ATEX.

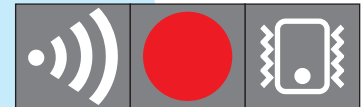
Please select the gas type to be monitored at time of ordering.

O₂, CO, SO₂, H₂, H₂S, NH₃.

STANLAYTM



Triple Alarm Features



Audio LED Vibration

Applications include:




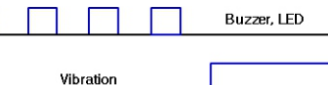
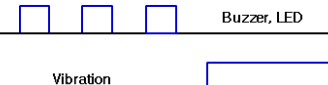
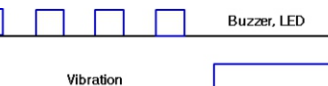

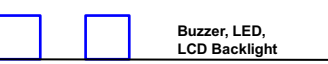

- Steelworks
- Petrochemical plant
- Shipbuilding yard
- Sewage treatment plant
- Mines
- Power supply works
- Hermetically sealed area (manhole, tank)
- Gas utilities



Specifications :

Measuring gas	O ₂	CO	SO ₂	H ₂	H ₂ S	NH ₃
Measuring Type	Diffusion Type or sampling type with SP-PUMP option					
Measuring Method	Electrochemical cell					
Measuring Range	0~30%vol	0~500ppm	0~20ppm	0~1000ppm	0~100ppm	0~100ppm
Display	LCD display with backlight					
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 5 ppm	1 ppm	1ppm
Parameter Control	Front 2 switch(calibration, maintenance, alarm setting)					
Alarms	Vibration, Red flashing LED'S, Audible buzzer(90 dB@10cm)					
Datalog	Recent 20 events					
Mounting type	Belt Clip					
Program set mode	Alarm value(1,2 alarm) time Set Calibration density setting					
Operating Temp & humidity	-20°C ~ +50°C, 5% to 95% RH (Non-Condensing)					
Operating power	CR2 Lithium Battery 3V					
Battery life time	CR2 Battery(3.0v) : 1.2year, At 8hours use of a day					
Material	PC / TPE					
Size	WHD 54 X 91 X 42 mm					
Weight	O ₂ : 120g / Toxic: 100g (including Battery)					
Approval	Ex ia IIC T4 / IP67 (KGS, ATEX, INMETRO)					
Part No.	2ND000110	2ND000210	2ND000310	2ND000410	2ND000510	2ND000610

Alarm Modes :

Alarm	Alarm Standard	LCD Display	Alarm & Vibration Display
1st Alarm	In Exceeding Alarm Value Set Primarily	Displaying  Icon & Concentration	
2nd Alarm	In Exceeding Alarm Value Set Secondly	Displaying  Icon & Concentration	
TWA	In Exceeding Exposure Concentration for 8 hour	Displaying Icon TWA & Concentration	
STEL	In Exceeding Exposure Concentration for 15 minutes	Displaying Icon STEL & Concentration	
Dead Battery	Battery Capacity is Exhausted.	 Blinking of Battery	
Test Failure	Failure of Sensor Test Failure of Calibration	Displaying  Icon	