

SP-MGTP

휴대용 복합가스 감지기 (흡입식)



제품 설명

SP-MGTP는 6가지 주요 가스를 동시 측정하는 샘플링 방식의 휴대용 복합가스감지기로서, 산소 결핍, 독성가스 중독 및 가스폭발로부터 근로자를 보호하기 위해 최대 6가지 가스를 실시간 측정해 농도를 표시하고 경보 설정값에 도달 시 경보를 발생합니다.

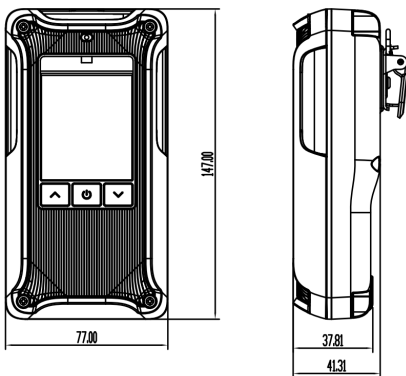
제품 특징

- 센서 및 배터리 교체형
- 6가지 가스 동시 측정
- 충전형 배터리(완충 소요시간: 4-6시간)
- IR-Link를 통한 손쉬운 환경설정 및 데이터 관리
- 우수한 방수/방진 구조

제품 사양

모델명	SP-MGTP
디스플레이	Segment LCD display, LCD Back-light, Indicator LED
Key	3 Operation and programming Keys
센서 타입	전기화학식: Toxic 및 산소(O ₂) 광이온화검출기(PID): 정밀한 VOC 측정 촉매연소식(Catalytic): 가연성 가스 비분산적외선(NDIR): 가연성 가스 모니터링
경보	시각(LED, LCD 표시), 청각(90dB, 10cm 거리), 진동
데이터기록	Event Log : 30개, Calibration Log : 30개 Bump Log : 30개, Data log Two Months or longer
설치 방식	Belt Clip
사용 온도	-20°C ~ +50°C
사용 습도	10 to 90% RH(Non-condensing)
압력	80 ~ 120KPa
샘플링 방식	Built-in pump
IP등급	IP67
배터리	충전식 리튬 이온 배터리 Nominal Voltage : 3.7V, Nominal Capacity: 4000mAh , Max Charging Voltage: 6.3V
배터리 사용시간	SP-MGTP-P0 Series : 30hours SP-MGTP-N0/N1/N2 Series : about 5 Day or more
재질	TPU covered Poly Carbonate(PC)
사이즈	77(W) x 146(H) x 43(D)mm
중량	490 g
옵션	SENKO IR-LINK

DIMENSION (Unit:mm)



ACCESSORIES



IR Link Communication
Connects to the computer in order to program configuration and download data log



SP-MGTP Single Docking Station

SENSOR CONFIGURATION

Model Name	Slot 1 (Fixed)	Slot 2 (Fixed)	Slot 3 (Optional Gas 1)	Slot 4 (Optional Gas 2)
SP-MGTP-P-4	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	-
SP-MGTP-P-5-PID	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	PID (VOC Detection)
SP-MGTP-P-5-SO ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	SO ₂ (Sulfur Dioxide)
SP-MGTP-P-5-Cl ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	Cl ₂ (Chlorine)
SP-MGTP-P-5-NH ₃	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	NH ₃ (Ammonia)
SP-MGTP-P-5-H ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	H ₂ (Hydrogen)
SP-MGTP-P-5-NO ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	NO ₂ (Nitrogen Dioxide)
SP-MGTP-P-5-HCN	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	HCN (Hydrogen Cyanide)
SP-MGTP-P-5-HCl	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	HCl (Hydrochloric Acid)
SP-MGTP-P-5-NO	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	NO (Nitric Oxide)
SP-MGTP-P-5-H ₂ O ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (Catalytic)	H ₂ O ₂ (Hydrogen Peroxide)
SP-MGTP-N-4	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	-
SP-MGTP-N-5-PID	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	PID (VOC Detection)
SP-MGTP-N-5-SO ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	SO ₂ (Sulfur Dioxide)
SP-MGTP-N-5-Cl ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	Cl ₂ (Chlorine)
SP-MGTP-N-5-NH ₃	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	NH ₃ (Ammonia)
SP-MGTP-N-5-H ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	H ₂ (Hydrogen)
SP-MGTP-N-5-NO ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	NO ₂ (Nitrogen Dioxide)
SP-MGTP-N-5-HCN	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	HCN (Hydrogen Cyanide)
SP-MGTP-N-5-HCl	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	HCl (Hydrochloric Acid)
SP-MGTP-N-5-NO	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	NO (Nitric Oxide)
SP-MGTP-N-5-H ₂ O ₂	O ₂ (Oxygen)	CO + H ₂ S	CH ₄ (IR)	H ₂ O ₂ (Hydrogen Peroxide)
SP-MGTP-N-5-CO ₂	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	-
SP-MGTP-N-6-PID	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	PID (VOC Detection)
SP-MGTP-N-6-SO ₂	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	SO ₂ (Sulfur Dioxide)
SP-MGTP-N-6-Cl ₂	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	Cl ₂ (Chlorine)
SP-MGTP-N-6-NH ₃	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	NH ₃ (Ammonia)
SP-MGTP-N-6-H ₂	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	H ₂ (Hydrogen)
SP-MGTP-N-6-NO ₂	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	NO ₂ (Nitrogen Dioxide)
SP-MGTP-N-6-HCN	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	HCN (Hydrogen Cyanide)
SP-MGTP-N-6-HCl	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	HCl (Hydrochloric Acid)
SP-MGTP-N-6-NO	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	NO (Nitric Oxide)
SP-MGTP-N-6-H ₂ O ₂	O ₂ (Oxygen)	CO + H ₂ S	CO ₂ (IR) + CH ₄ (IR)	H ₂ O ₂ (Hydrogen Peroxide)

APPLICABLE SENSOR SPECIFICATIONS

Gas	Measuring Range	Measuring Range	Resolution	Low Alarm	High Alarm
O ₂	Electrochemical	0 ~ 30 %vol	0.1 %vol	19 %vol	23 %vol
CO	Electrochemical	0 ~ 500 ppm	1 ppm	30 ppm	60 ppm
CO	Electrochemical	0 ~ 1,000 ppm	1 ppm	30 ppm	60 ppm
H ₂ S	Electrochemical	0 ~ 100 ppm	0.1 ppm	10 ppm	15 ppm
H ₂ S	Electrochemical	0 ~ 200 ppm	0.1 ppm	10 ppm	15 ppm
CH ₄	Catalytic / NDIR	0 ~ 100 %LEL	1 %LEL	10 %LEL	30 %LEL
CO ₂	NDIR	0 ~ 5 %vol	0.01 %vol	0.5 %vol	1.0 %vol
NH ₃	Electrochemical	0 ~ 100 ppm	1 ppm	25 ppm	35 ppm
SO ₂	Electrochemical	0 ~ 20 ppm	0.1 ppm	2 ppm	5 ppm
H ₂	Electrochemical	0 ~ 1000 ppm	1 ppm	100 ppm	500 ppm
NO ₂	Electrochemical	0 ~ 20 ppm	0.1 ppm	3 ppm	5 ppm
Cl ₂	Electrochemical	0 ~ 20 ppm	0.1 ppm	0.5ppm	1ppm
HCN	Electrochemical	0 ~ 50 ppm	0.1 ppm	10 ppm	20 ppm
HCl	Electrochemical	0 ~ 20 ppm	0.5 ppm	2 ppm	5 ppm
VOC	PID	0 ~ 4000 ppm	1 ppm	50 ppm	200 ppm
NO	Electrochemical	0 ~ 500 ppm	0.5 ppm		
H ₂ O ₂	Electrochemical	0 ~ 100 ppm	0.1 ppm		

CERTIFICATION

IECEX	SP-MGTP-P0 Series	Ex da ia IIC T4 Ga / Ex da ia IIB T4 Ga
	SP-MGTP-N0 Series	Ex ia IIC T4 Ga / Ex ia IIB T4 Ga
	SP-MGTP-N1 Series	Ex db ia IIC T4 Gb / Ex db ia IIB T4 Gb
	SP-MGTP-N2 Series	Ex db ia IIC T4 Gb / Ex db ia IIB T4 Gb
	SP-MGTP-00 Series	Ex ia IIC T4 Ga / Ex ia IIB T4 Ga
ATEX	SP-MGTP-P0 Series	II 1 G Ex da ia IIC T4 Ga / II 1 G Ex da ia IIB T4 Ga
	SP-MGTP-N0 Series	II 1 G Ex ia IIC T4 Ga / II 1 G Ex ia IIB T4 Ga
	SP-MGTP-N1 Series	II 2 G Ex db ia IIC T4 Gb / II 2 G Ex db ia IIB T4 Gb
	SP-MGTP-N2 Series	II 2 G Ex db ia IIC T4 Gb / II 2 G Ex db ia IIB T4 Gb
	SP-MGTP-00 Series	II 1 G Ex ia IIC T4 Ga / II 1 G Ex ia IIB T4 Ga
CSA/UL	SP-MGTP-P0 Series	Ex da ia IIC T4 Ga Class I, Division 1, Groups A, B, C, and/or D, T4 Class I, Zone 0, AEx da ia IIC T4 Ga
		Ex da ia IIB T4 Ga Class I, Division 1, Groups C, and/or D, T4 Class I, Zone 0, AEx da ia IIB T4 Ga
	SP-MGTP-N0 Series	Ex ia IIC T4 Ga Class I, Division 1, Groups A, B, C, and/or D, T4 Class I, Zone 0, AEx ia IIC T4 Ga
		Ex ia IIB T4 Ga Class I, Division 1, Groups C, and/or D, T4 Class I, Zone 0, AEx ia IIB T4 Ga
	SP-MGTP-N1 Series	Ex db ia IIC T4 Gb Class I, Division 1, Groups A, B, C, and/or D, T4 Class I, Zone 1, AEx db ia IIC T4 Gb
		Ex db ia IIB T4 Gb Class I, Division 1, Groups C, and/or D, T4 Class I, Zone 1, AEx db ia IIB T4 Gb
	SP-MGTP-N2 Series	Ex db ia IIC T4 Gb Class I, Division 1, Groups A, B, C, and/or D, T4 Class I, Zone 1, AEx db ia IIC T4 Gb
		Ex db ia IIB T4 Gb Class I, Division 1, Groups C, and/or D, T4 Class I, Zone 1, AEx db ia IIB T4 Gb
	SP-MGTP-00 Series	Ex ia IIC T4 Ga Class I, Division 1, Groups A, B, C, and/or D, T4 Class I, Zone 0, AEx ia IIC T4 Ga
		Ex ia IIB T4 Ga Class I, Division 1, Groups C, and/or D, T4 Class I, Zone 0, AEx ia IIB T4 Ga
CNEx & CPA	SP-MGTP-P0 Series	Ex da ia IIC T4 Ga / Ex da ia IIB T4 Ga
	SP-MGTP-N0 Series	Ex ia IIC T4 Ga / Ex ia IIB T4 Ga
	SP-MGTP-N1 Series	Ex db ia IIC T4 Gb / Ex db ia IIB T4 Gb
	SP-MGTP-N2 Series	Ex db ia IIC T4 Gb / Ex db ia IIB T4 Gb
	SP-MGTP-00 Series	Ex ia IIC T4 Ga / Ex ia IIB T4 Ga
INMETRO	SP-MGTP-P0 Series	Ex da ia IIC T4 Ga / Ex da ia IIB T4 Ga
	SP-MGTP-N0 Series	Ex ia IIC T4 Ga / Ex ia IIB T4 Ga
	SP-MGTP-00 Series	Ex ia IIC T4 Ga / Ex ia IIB T4 Ga
	SP-MGTP-N1 Series	Ex db ia IIC T4 Gb / Ex db ia IIB T4 Gb
	SP-MGTP-N2 Series	Ex db ia IIC T4 Gb / Ex db ia IIB T4 Gb
etc.	EMC, RoHS2, REACH, WEEE, FCC, RCM(ACMA&RSM)	