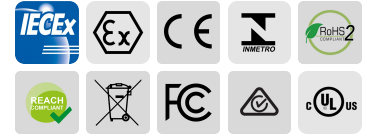# SP-MGTP(pump)

PORTABLE MULTI GAS DETECTOR

The SP-MGTP is a cutting-edge sampling gas detector designed to safeguard workers from industrial hazards such as Oxygen deficiency, toxic gases, and explosions. Capable of detecting six major gases simultaneously, it offers comprehensive protection by monitoring up to 37 different toxic and flammable gas combinations. When a risk is detected, it alerts users through visual, vibrating, and audible alarms.

SAMPLING DETECTOR WITH BUILT-IN PUMP
The SP-MGTP features an integrated pump and probe, allowing for efficient and reliable gas sampling in various industrial environments.

DETECTS UP TO 6 GASES
It offers versatile and comprehensive monitoring, capable of detecting up to six gases simultaneously and covering 37 combinations of toxic and flammable gases.

TEFLON-COATED HOSE
The inner teflon coating prevents contamination enhancing durability and accuracy.

KEY FEATURES & BENEFITS

WATER/DUST PROOF (IP67)
Built with an excellent water and dust proof structure, rated IP67, making it suitable for various harsh environments.

HIGH-PERFORMANCE ALARMS
Equipped with visible, audible, and vibrating alarms for immediate notification of hazardous situations.

EASY CONFIGURATION
Easily configure and manage data using the IR link, streamlining the process for efficient operation.

SENSOR TROUBLE DETECTION
Automatically checks for sensor issues, providing peace of mind with reliable performance.

EVENT LOGGING
Automatically logs up to 30 alarm events, allowing for easy tracking and record-keeping.

EASY CALIBRATION
Calibrate and bump test your devices effortlessly with the Docking Station, ensuring accurate performance.

WHY CHOOSE US

✓ Affordable Price   ✓ Rapid Response   ✓ Fast Delivery   ✓ Certified Quality

TECHNICAL SPECIFICATIONS

Model	SP-MGTP
Sensor Type	Electrochemical for toxic gases and O_2 / PID for VOCs gas / Catalytic and NDIR for combustible gases
Measuring Type	Sampling (Built-in Pump)
Case Material	TPU covered Poly Carbonate (PC)
Dimensions	77(W) x 146(H) x 43(D) mm / 3.03(W) x 5.75(H) x 1.69(D) inch
Weight	490g / 17.28oz
Temperature & Humidity	-20°C to +50°C / -4°F to +122°F & 10% to 90% RH (Non-condensing)
Operating Life	SP-MGTP-P0 Series : 30 hours, SP-MGTP-N0/N1/N2 Series : About 5 days or more
Event Log	Most recent 30 alarms
IP	IP 67
Alarm	Visual (LCD and flashing LEDs), Audible(Buzzer), Vibration
Display	Segment LCD Display, LCD Backlight, Indicator LED
Operating buttons	3 Operation and Programming Keys
Battery	Rechargeable Li-ion power supply unit (4,000mAh)
How to wear	Belt Clip

Certification			
	IECEx	P0	Ex da ia IIC T4 Ga / Ex da ia IIB T4 Ga
		00/N0	Ex ia IIC T4 Ga / Ex ia IIB T4 Ga
		N1/N2	Ex db ia IIC T4 Gb / Ex db ia IIB T4 Gb
	ATEX	P0	II 1 G Ex da ia IIC T4 Ga / II 1 G Ex da ia IIB T4 Ga
		00/N0	II 1 G Ex ia IIC T4 Ga / II 1 G Ex ia IIB T4 Ga
		N1/N2	II 2 G Ex db ia IIC T4 Gb / II 2 G Ex db ia IIB T4 Gb
	INMETRO	P0	Ex da ia IIC T4 Ga / Ex da ia IIB T4 Ga
		00/N0	Ex ia IIC T4 Ga / Ex ia IIB T4 Ga
		N1/N2	Ex db ia IIC T4 Gb / Ex db ia IIB T4 Gb
	UL/CSA	P0	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
		00/N0	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
		N1/N2	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
	etc.		EMC, RoHs2, REACH, WEEE, FCC, RCM(ACMA&RSM)

SENSOR SPECIFICATIONS

* If your gas sensor is not listed, please contact us.

Gas	Measuring Range	Low Alarm	High Alarm	Resolution	Operating Temperature
O_2	0 ~ 30 %vol	19 %vol	23 %vol	0.1 %vol	-20°C to +50°C
CO	0 ~ 500 ppm	30 ppm	60 ppm	1 ppm	-30°C to +50°C
H_2S	0 ~ 100 ppm	10 ppm	30 ppm	0.1 ppm	-30°C to +50°C
CH_4	0 ~ 100% LEL	10% LEL	30% LEL	1% LEL	-20°C to +60°C
VOCs	0 ~ 4,000 ppm	10 ppm	20 ppm	0.1ppm	-20°C to +50°C
NH_3	0 ~ 100 ppm	25 ppm	35 ppm	1 ppm	-30°C to +50°C
CL_2	0 ~ 20 ppm	0.5 ppm	1 ppm	0.1 ppm	-20°C to +50°C
SO_2	0 ~ 50 ppm	2 ppm	5 ppm	0.1 ppm	-30°C to +50°C

ACCESSORIES

MGTP Docking Station
Calibrates, bump tests, up grades firmware, logs events, and configures settings.

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

Sampling Probe