

휴대용 메탄 탐지기 (Portable Methane Detector)



Model : SEM5000

용 도(Applications)

- 메탄가스의 누출탐지
- 매립지 가스의 방출량 측정
- 천연가스의 누출 탐지

특 징(Features)

- 첨단 레이저센서로 2초 이내의 정확한 측정
- 0~10,000ppm, 0.1%~100% 자동 측정 모드
- 20°C에서 10시간 이상 연속 사용 가능

사 양(Specifications)

GAS RANGES

Gases Measured CH4

Range 0-10,000ppm / 0.1%-100% (Vol)

Response time	Without Probe	With Probe
	T90 = 2s	T90 = 3.5s

Accuracy	Without Probe	With Probe
	1-10ppm +/- 0.7ppm	10-10,000ppm +/-10% FS

Resolution 0.1ppm / 0.1%

Minimum detectable limit 0.3ppm

POWER SUPPLY

Battery type Lithium Ion Rechargeable Battery Pack (3.7V - 4000mA/h)

Battery life 10 hours at 20°C (with backlight activated). 8 hours at extreme temperatures

Battery charger Separate intelligent battery charger powered from mains supply (100-240V)

Charge time Approximately 4.5 hours from complete discharge

PUMP

Flow	Minimum	Typical	Maximum
	0.6 L/Min	0.8 L/Min	1.0 L/Min

ENVIRONMENTAL CONDITIONS

Operating Temperature	-25°C to +50°C
Atmospheric Pressure Range	1013mbar +/-100mbar
Humidity Range	5% to 80% Relative Humidity (non -condensing)
Protection level	IP65

PHYSICAL

Case	Carbon reinforced polyamide with fiberglass	
Size	L 229mm, W 97mm, D 109mm	
Weight	1.3kg	
Environmental Storage conditions	Humidity <95% -40°C to +60°C	
Alarm sound level	65 dB (A) @ 30cm	
User Interface	Large Dot Matrix Display: 240 x 128 Jogdial: Scroll menu for rapid and easy selection of menu items 2 function keys	
Alarms	Methane concentration threshold Pump flow fail	
Gas connections	Quick release coupler	
Electrical connections	Multiway adaptor for battery charger and USB communications with a PC	
Carrying strap	30mm wide synthetic woven strap	
Status indicators	Measurement mode	Pump
	Battery level	PC communications

CERTIFICATION RATING

ATEX



II 2 G Ex ib op is IIB T3 Gb -25°C≤Ta≤+50°C

구성(Configurations)

1. SEM5000 Dual Range Methane Detector	1 ea
2. Battery charger	1 ea
3. Spare battery	1 ea
4. Sample probe	1 ea
5. Tubing, Filters	1 ea
6. GPS, Bluetooth, Prosoft	1 ea
7. Hard carry case & carry strap	1 ea
8. Manual (영문, 한글)	1 ea