

NDIR CO₂ 측정기 (NDIR CO₂ Analyzer)

환경부 형식승인 제IAMS-2010-1호



Model : G150

용 도(Applications)

- 일반적인 Indoor Air Quality 관리
- 환경평가
- 건물 공조 시스템 (HVAC) 승인
- 누출 감시 및 제어

특 징(Features)

- 고정밀의 CO₂ 측정 실현
- CO₂ Incubator 농도의 빠른 측정
- Dual temperature probe 사용으로 시간 절약
- Data 저장 및 작동 편의성
- 가스 중 수분 제거 기능

SPECIFICATIONS

Gases Measured	CO ₂	By custom dual wavelength infra-red cell with reference channel
	O ₂ (Optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
Range	CO ₂	0~10,000ppm
	O ₂	0~100%
Measurement Accuracy	CO ₂	± 1.5% of range after calibration (typically ± 10ppm at 500ppm CO ₂ , after calibration)
	O ₂	± 1.0% of range after calibration
Response time, T90	CO ₂	≤ 20 seconds
	O ₂	≤ 60 seconds
Temperature (optional)	x2 using optional probes, range 0°C to +50°C	
Temperature accuracy	± 0.2°C	
Barometric pressure	800 ~ 1,200 mbar	
RH measurement (optional)	RH Probe 0 ~ 100% RH non condensing	
RH accuracy	±1.5% RH across the range	
Visual and audible alarm	User selectable CO ₂ and O ₂ alarm levels	

Communications	USB type B mini-connector, HID device class
Data storage	1,000 reading sets + 270 events
Operating temperature	0°C ~ 50°C
Relative humidity	0 ~ 95% non condensing (RH Probe 0 ~ 100% non condensing)
Barometric pressure	± 500mbar from calibration pressure
IP rating	IP40
Flow	100cc/min typically
Battery type	Li Ion
Battery life	12 hours (10 hours with pump)
Battery lifetime	600 cycles
Battery charger	5v DC external power supply and internal charging circuit
Charge time	4 hours
Alternative power	5Vdc power supply
Weight	495g
Size	L 165mm, W 100mm, D 55mm
Case Material	ABS/ Polypropylene with Silicone Rubber Inserts
Keys	17 Resin capped Silicone Rubber keys
Display	Liquid crystal display, 128 x 64 pixel With RGB LED back-light
Gas sample filter	Built-in gas dryer tube to remove moisture User replaceable PTFE water trap filter

CONFIGURATIONS

CO2, O2(Optional), RH(Optional) Analyzer	1 ea
Internal Pump	1 ea
Battery Charger	1 ea
Sample Tube/Filters	1 ea
Hard Carry Case	1 ea
Operating Manual	1 ea

OPTIONAL ACCESSORIES

Relative Humidity probe	1 ea
Temperature probe (5mm tip)	1 ea
Temperature probe (100mm ss tip)	1 ea
Analyser Data Manager Software supplied with USB lead	1 ea
Soda Lime kit for zeroing (Tubing plus 3 filters)	1 ea