고농도 CO_2 측정기
(CO$_2$ Analyzer)

Model : G110

용 도(Applications)

- CCS 설비 등의 고농도 이산화탄소 측정
- 음식물처리 공정의 고농도 이산화탄소 측정
- 주류 제조 등 발효 공정 및 의료 분야
- 각종 연구 및 실험 분야

특 징(Features)

- CO2 0~100% 측정
- 고정밀의 측정 오차
- 빠른 응답시간 및 작동 편의성
- Data 저장 및 조회 가능

SPECIFICATIONS

Gases Measured	CO2	By custom dual wavelength infra-red cell with reference channel
	O2 (Optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
Range	CO2	0-100%
	O2	0-100%
Measurement Accuracy	CO2	± 1% of range after calibration
	O2	± 1% of range after calibration
Response time T90	CO2	≤ 20 seconds
	O2	≤ 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 CO2 and O2 alarm levels	

Communications	USB type B mini-connector, HID device class
Data storage	1,000 reading sets + 270 events
Operating temperature	0°C to 50°C
Relative humidity	0 - 95% non condensing
Barometric pressure	± 500 mbar 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

Filters (Pack of 5 PTFE)	1 ea
Temperature probe (5mm tip or 100mm ss tip)	1 ea
Analyser Data Manager Software supplied with USB lead	1 ea
Relative Humidity probe with cable connection	1 ea