

# CO<sub>2</sub> 인큐베이터 측정기 (CO<sub>2</sub> Incubator Analyzer)



온도/습도옵션



간단한 사용

**Model : G100**

## 용도(Applications)

- 인큐베이터의 CO<sub>2</sub>, O<sub>2</sub> 농도 정도 관리로 세포배양의 최적화 조건 유지
- 미생물 및 질병연구시의 CO<sub>2</sub> 배양기 정도 관리
- IVF 효율 관리
- 호기성 및 혐기성 공정의 품질관리

## 특징(Features)

- 최고의 고객 신뢰도와 작동 편의성
- 신속, 정밀한 CO<sub>2</sub> 측정 (±1% 이내)
- 온도(2개 동시가능) 및 습도센서 동시 사용 가능
- 간편한 측정 및 사용자 교정기능

## SPECIFICATIONS

Gases Measured	CO <sub>2</sub>	By custom dual wavelength infra-red with reference channel
	O <sub>2</sub> (Optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
Range	CO <sub>2</sub>	0-20%
	O <sub>2</sub>	0-100%
Measurement Accuracy	CO <sub>2</sub>	± 1% of range after calibration
	O <sub>2</sub>	± 1% of range after calibration
Response time T90	CO <sub>2</sub>	≤ 20 seconds
	O <sub>2</sub>	≤ 60 seconds
Temperature (optional)	x 2 using optional probes 0°C to +50°C	
Temperature accuracy, typical	± 0.1°C from 32 to 44°C, ± 0.2°C over the rest of the range	
Barometric pressure	800 - 1200 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 <sub>2</sub> and O <sub>2</sub> alarm levels	

Communications	USB type B mini-connector, HID device class
Data storage	1000 reading sets + 270 events
Operating temperature	0°C to 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(영문,한글, 동영상)	1 ea

## OPTIONAL ACCESSORIES

Filters (Pack of 5 PTFE)	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
Relative Humidity probe with cable connection	1 ea