

CO₂ 인큐베이터 측정기

대기 | 실내 | 작업환경

CO₂ Incubator Analyzer



Model : G100

용도

Applications

- 인큐베이터의 CO₂ 등의 농도 측정
- 식품 재배 시설, 포장 상태, 운송 시설 등의 점검
- 호기성 및 혐기성 공정의 품질 관리
- 증류, 양조 등 발효 공정 관리
- IVF 효율 관리

특징

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 conference channel
	O ₂ (Optional)	By internal electrochemical sensor
	RH(Optional)	
Range	CO ₂	0-20 %
	O ₂	0-100 %
	RH	0-100 %
Oxygen cell lifetime	Approximately 3 years in air	
Measurement Accuracy	Gas	
	CO ₂	Accuracy ±1 % at reference conditions Temperature dependence ±0.2% reading °C(typical at 5% CO ₂) Pressure dependence ± 0.02 % of reading/reading/hPa (typical at 5% CO ₂)
	O ₂	±1.0 % Full Scale at constant temperature and pressure ±2.0 % Full Scale over operating temperature range

Response time T ⁹⁰	CO ₂	≤20 seconds
	O ₂	≤60 seconds
Temperature(Optional)		× 2 using optional probes 0 °C to 50 °C
Temperature accuracy, typical		±0.2 °C over the range(±0.1 °C between 32-34 °C)
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 ₂ , and O ₂ alarm levels
Communications		USB type B mini-connector, HID device class
Data Storage		1000 readings
Operating temperature range		5 °C - 40 °C
Relative humidity		0 – 95 % non condensing(RH Probe 0-100 % non condensing)
Barometric pressure		± 200 mbar from calibration pressure
Weight		0.5 kg
Size		165mm(L) x 100mm(W) x 55mm(D)

CONFIGURATIONS

CO ₂ , O ₂ (Optional), RH(Optional) Analyzer	1 ea
Internal Pump	1 ea
Battery Charger	1 ea
Sample Tube/Filters	1 ea
Operating Manual	1 ea

OPTIONAL ACCESSORIES

Relative Humidity probe for direct connection to G100	1 ea
Hard Carry Case	1 ea
Temperature probe (5mm tip)	1 ea
Temperature probe (100mm ss tip)	1 ea
Download and Basic Data Log Software supplied with USB lead	1 ea
Soda Lime kit for zeroing (Tubing plus 3 filters)	1 ea