

Medi Gas Check G100 – CO₂ Incubator Analyser

SPECIFICATION SHEET

Accurate Incubator verification tool

New CO₂ analyser specifically designed to monitor CO₂ for the verification of incubators in research and pharmaceutical markets. This unit has been developed to incorporate the latest technology and specification requirements, that provide the user with a fast, simple to use and accurate piece of laboratory kit.

Features and benefits

- Improved accuracy on CO₂ readings
- Quick verification of CO₂ incubator levels
- Time saving with dual temperature probes
- Large data storage and user friendly software and download
- Easy to read, large well lit display
- Built-in gas moisture removal
- CO₂ 0-20%
- O₂ 0-100%
- Dual temperature probes 0 to 50°C
- date storage and download
- Humidity sensor 0-100%.

Applications

- IVF
- Research
- Laboratories
- Medical.

Specification

Battery Type	Li Ion
Battery Life	> 10 hours (8 hours with pump)
Battery Charger	5v DC external power supply and internal charging circuit
Charging Time	> 3 hours
Alternative Power	USB connector, DC power supply

Gas Ranges

Gases Measured	CO ₂ – Custom dual wavelength infrared cell with reference channel	
Oxygen Cell Lifetime	Optional O ₂ – Internal electrochemical cell – Approx. 3 years in air	
Range	CO ₂ 0–20%	
Accuracy*	O ₂ 0–100%	
Response Time, T90	CO ₂ 20 seconds	O ₂ 60 seconds

*plus accuracy of calibration gas used

Facilities

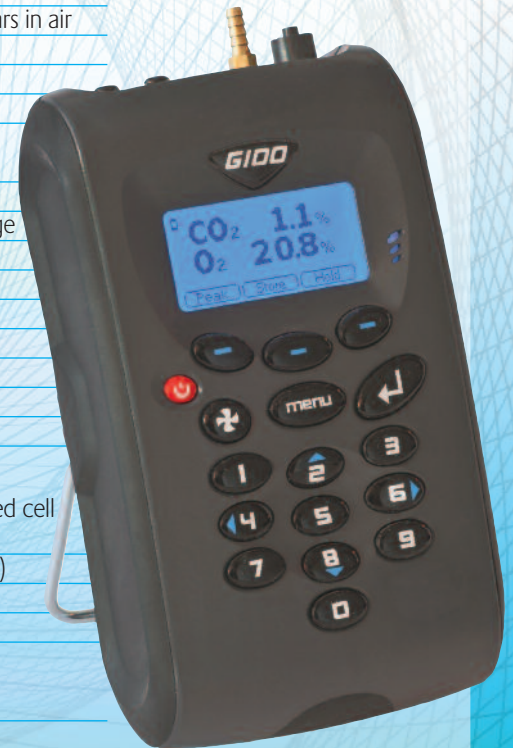
Temperature (optional)	x 2 using optional probes 0°C to +50°C
Temperature Accuracy, typical	± 0.1°C from 32 to 44°C, ± 0.2°C over the rest of the range
Barometric Pressure	800 – 1200 mbar
RH Measurement (optional)	RH Probe 0 – 100% RH non condensing
RH Accuracy	± 1.5% RH across the range
Visual & Audible Alarm	User selectable CO ₂ and O ₂ alarm levels
Communications	USB type B mini-connector, HID device class
Data Storage	1000 reading sets + 270 events
Flow	100cc/ min typically

Environmental conditions

Operating temperature	0°C to 50°C – Optional O ₂ Custom dual wavelength infrared cell Internal electrochemical cell
Relative Humidity	0-95% non condensing (RH Probe 0-100% non condensing)
Barometric Pressure	± 500mbar from calibration pressure
IP rating	IP40

Physical

Weight	495 grams
Dimensions	(H x W x D) 165 x 100 x 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 Filters	Built-in gas dryer tube to remove moisture User replaceable PTFE water trap filter



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