



#### CO<sub>2</sub> INCUBATOR ANALYSER | ACCURATE INCUBATOR VERIFICATION TOOL

 $CO_2$  analyser specifically designed to monitor  $CO_2$ 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**

- CO<sub>2</sub> 0 20%
- Options for:
  - O<sub>2</sub> 0-100%
  - Dual temperature probes 0 to 50°C
  - Data download
  - Humidity sensor 0-100%

#### **BENEFITS**

- Accurate CO<sub>2</sub> readings
- Quick verification of CO<sub>2</sub> incubator levels
- Time saving with dual temperature probes
- Large data storage and user friendly software and download
- Easy to read large well lit display

#### SECTOR

CO<sub>2</sub> monitoring

#### **APPLICATIONS**

- IVF
- Research
- Laboratories
- Medical



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# **G100** TECHNICAL SPECIFICATIONS

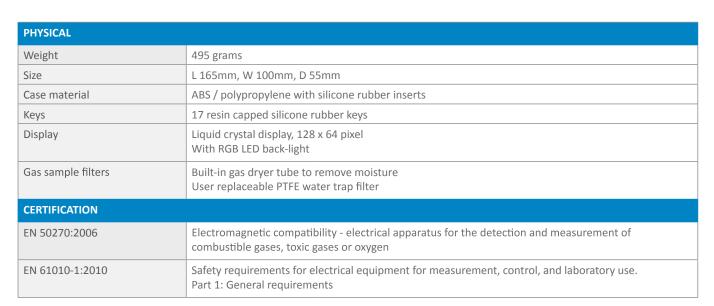


POWER SUPPLY		
Battery type	Li Ion	
Battery life	12 hours (10 hours with pump)	
Battery lifetime	600 cycles	
Battery charger	5v DC external power supply and internal charging circuit	
Charge time	4 hours	
Alternative power	5Vdc power supply	
GAS RANGES		
Gases measured	CO <sub>2</sub>	By custom dual wavelength infra-red with reference channel
	$O_2$ (optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
Range	CO <sub>2</sub>	0-20%
	02	0-100%
Measurement accuracy*	CO <sub>2</sub>	± 1% of range after calibration
	02	± 1% of range after calibration
Response time T <sup>90</sup>	CO <sub>2</sub>	≤ 20 seconds
	02	≤ 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	
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	
PUMP		
Flow	100cc / min typically	
ENVIRONMENTAL CONDITIONS		
Operating temperature	0°C to 50°C	
Relative humidity	0 - 95% non condensing (RH probe 0 - 100% non condensing)	
Barometric pressure	500-1500 mbar	
IP rating	IP40	

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## **G100** TECHNICAL SPECIFICATIONS CONTINUED



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Please contact us if this literature doesn't answer all your questions.