



CO INCUBATOR ANALYSER ACCURATE INCUBATOR VERIFICATION TOOL

CO analyser specifically designed to monitor CO 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 0 0
- Options for:
  - O 0 100
    - Dual temperature probes 0 to 50°C
    - Data storage and download
  - H midity sensor 0 100

## BENEFITS

- A rate CO readin s
- Quick verification of CO incubator levels
- Time saving with dual temperature probes
- Large data storage and user friendly software and download
- Easy to read large well lit display
- B ilt in as moist re removal



## SECTOR

CO monitorin

## APPLICATIONS

MF

- Research
- Laboratories

Medi al

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## TECHNICAL SPECIFICATIONS

POWER SUPPLY		
Battery type	<b>Li Ion</b>	
Battery life	12 hours (10 hours with pump)	
Battery lifetime	<b>00 years</b>	
Battery charger	5Vdc external power supply and internal charging circuit	
Charge time	4 hours	
Alternative power	5Vdc power supply	
GAS RANGES		
Gases measured	<b>CO</b>	By custom dual wavelength infra-red with reference channel
	<b>O</b> (optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
Range	<b>CO</b>	<b>0-0</b>
	<b>O</b>	<b>0-100</b>
Typical accuracy	<b>CO</b>	± 1% of range after calibration
	<b>O</b>	± 1% of range after calibration
Response time T <sup>90</sup>	<b>CO</b>	≤ 20 seconds
	<b>O</b>	≤ 60 seconds
Typical accuracies	All typical accuracies quoted are after calibration 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 and audible alarm	User selectable <b>CO and O alarm levels</b>	
Communications	<b>USB type B mini connector HID device class</b>	
Data storage	<b>1000 readings 0 events</b>	
PUMP		
Flow	<b>100 ml/min typically</b>	
ENVIRONMENTAL CONDITIONS		
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	<b>IP 0</b>	

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## TECHNICAL SPECIFICATIONS CONTINUED

PHYSICAL	
Weight	495 grams
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 filters	Built-in gas dryer tube to remove moisture User replaceable PTFE water trap filter
CERTIFICATION	
EN 50270:2006	Electromagnetic compatibility - electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen
EN61010-1:2010	Safety requirements for electrical equipment for measurement, control, and laboratory use. Part 1: General requirements
ISO17025	Calibration to UKAS certificate number 4533



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