G110
CO_2 ANALYSIS

Geotech
A subsidiary of **LANDTEC**

SPECIALIST CONTROLLED ATMOSPHERE MONITORING

G110

New CO_2 analyser designed to monitor CO_2 for multiple applications, including Brewing industry. This unit has been developed to incorporate the latest technology and specification requirements, that provide the user with a fast, simple to use analyser.

Benefits

- Improved accuracy on CO_2 readings
- Quick verification of CO_2 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

Features

- CO_2 0 - 100%
- Options for:
  - O_2 0-100%
  - Dual temperature probes 0 to 50°C
  - Data storage and download
  - Humidity Sensor 0-100%

Applications

- Food Processing
- Research
- Brewing
- Medical

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G110

POWER SUPPLY

Battery type	Li Ion
Battery life	10 Hours (8 hours with pump)
Battery charger	5v DC external power supply and internal charging circuit
Charge time	3 hours
Alternative power	USB connector,
	DC power supply

GAS RANGES

Gases measured	CO_2	By custom dual wavelength infra-red cell with reference channel
	O_2 (optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
Range	CO_2	0-100%
	O_2	0-100%
Measurement Accuracy*	CO_2	± 1% of range after calibration
	O_2	± 1% of range after calibration
Response time, T^{90}	CO_2	$\leq$ 20 seconds
	O_2	$\leq$ 60 seconds

* plus accuracy of calibration gas used

FACILITIES

Temperature (Optional)	x2 using optional probes, range 0°C to +50°C
Temperature accuracy	± 0.2°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 alarms	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

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Product designs and specifications are subject to change without notice. User is responsible for determining suitability of product.

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G110 cont'd

PUMP

Flow	100cc/ min typically

ENVIRONMENTAL CONDITIONS

Operating temperature	0°C to 50°C
Relative Humidity	0 - 95% non condensing
Barometric pressure	± 500 mbar from calibration pressure
IP rating	IP40

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 pixels With RGB LED back-light
Gas sample filters	Built-in gas dryer tube to remove moisture User replaceable PTFE water trap filter

Note: Due to Geotech's continuous programme of improvement, this specification is subject to change without prior notice.

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