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 - 50°C
  - Data storage and download
  - Humidity Sensor 0-100%

Applications

- Food Processing
- Research
- Brewing
- Medical

G110

GAS RANGES

Gases Measured	CO_2	By custom dual wavelength infra-red cell reference channel
	O_2 (Optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
Range	CO_2 O_2	0-100% 0-100%
Measurement Accuracy	Gas	
	CO_2	Accuracy ± (1.5% of range +2% of reading) at reference conditions Temperature dependence ± 0.2% vol/ºC (typical) Pressure dependence ± 0.02% vol/hPa (typical)
	O_2	±1.0% Full Scale @ constant temperature and pressure ± 2.0% Full Scale over operating temperature range
Response time T^{90}	CO_2 O_2	≤20 seconds ≤60 seconds

FACILITIES

Temperature (Optional)	x2 using optional probes 0 ºC to +50 ºC
Temperature accuracy, typical	± 0.2 ºC from 32 to 44 ºC, ± 0.5 ºC 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 CO_2 and O_2 alarm levels
Communications	USB type B mini-connector, HID device class
Data Storage	1000 readings

ENVIRONMENTAL CONDITIONS

Operating temperature range	5 ºC - 40 ºC
Relative humidity	0-95% non condensing (RH Probe 0-100% non condensing)
Barometric pressure	± 200 mbar from calibration pressure

PHYSICAL

Weight	495 grams
Size	L 165mm, W 100mm, D 55mm