Geotech
A subsidiary of LANDTEC

G150
CO_2 INDOOR AIR QUALITY ANALYSER

AIR QUALITY

CHECK ANALYSER

G150

New CO_2 analyser designed to monitor CO_2 for all indoor air quality applications. 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 environmental field kit.

Benefits

- Improved accuracy on CO_2 readings
- Quick verification of CO_2 levels for site audits
- Time saving with dual temperature probes
- Data logging for long term application
- Easy to read large well lit display
- Built in gas moisture removal

Features

- CO_2 0- 10, 000 ppm
- Options for:
    - O_2 0-100%
    - Dual temperature probes 0 - 50°C
    - Data storage and download
    - Humidity Sensor 0-100%

Applications

- General IAQ
- Environmental Site Audits
- HVAC Sytem approval
- Illegal immigrant control/detection

Product Specifications

G150

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$_2$	0-10,000 ppm 0-100%
Measurement Accuracy	Gas	
	CO$_2$	Accuracy: ± (1.5% of range + 2% of reading) at reference conditions [1] Temperature dependence: ± 15ppm/ºC (typical) Pressure dependence: ± 2ppm/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

[1] Conditions during factory calibration, typically 20 º C, 100 mBar

Temperature (Optional)	x2 using optional probes 0 ºC to +50.0 ºC
Temperature accuracy, typical	± 0.2 ºC from 32 to 44 ºC, ±0.5 ºC over the rest of 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 sets + 270 events

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 55 mm