



AIR QUALITY  
CHECK ANALYSER

## G150

New CO<sub>2</sub> analyser designed to monitor CO<sub>2</sub> 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<sub>2</sub> readings
- Quick verification of CO<sub>2</sub> 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<sub>2</sub> 0- 10, 000 ppm
- Options for:
  - O<sub>2</sub> 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

## G100

### GAS RANGES

Gases Measured	CO <sub>2</sub>	By custom dual wavelength infra-red cell reference channel
	O <sub>2</sub> (Optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
Range	CO <sub>2</sub> O <sub>2</sub>	0-10,000 ppm 0-100%
Measurement Accuracy	Gas	
	CO <sub>2</sub>	Accuracy ± (1% range) at reference conditions <sup>1</sup> Temperature dependence ± 0.2% reading °C (typical at 1,000ppm CO <sub>2</sub> ) Pressure dependence ± 0.02% of reading/hPa (typical at 1,000ppm CO <sub>2</sub> )
	O <sub>2</sub>	±1.0% Full Scale @ constant temperature and pressure ± 2.0% Full Scale over operating temperature range
Response time T <sup>90</sup>	CO <sub>2</sub> O <sub>2</sub>	≤20 seconds ≤60 seconds

### FACILITIES

<sup>1</sup> Conditions during factory calibration, typically 20 ° C, 100 mBar

Temperature ( Optional)	x2 using optional probes 0 °C to +50.0 °C
Temperature accuracy, typical	± 0.2 °C over the range (± 0.1 °C between 32-44 °C) ±0.5 °C 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 <sub>2</sub> and O <sub>2</sub> alarm levels
Communications	USB type B mini-connector, HID device class
Data Storage	1000 readings sets + 270 events

### ENVIRONMENTAL CONDITIONS

Operating temperature range	5 °C - 40 °C
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



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.