



### SPECIALIST CONTROLLED ATMOSPHERE MONITORING

## G110

New CO<sub>2</sub> analyser designed to monitor CO<sub>2</sub> 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<sub>2</sub> readings
- Quick verification of CO<sub>2</sub> 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<sub>2</sub> 0 - 100%
- Options for:
  - O<sub>2</sub> 0-100%
  - Dual temperature probes 0 - 50°C
  - Data storage and download
  - Humidity Sensor 0-100%

#### Applications

- Food Processing
- Research
- Brewing
- Medical



## Product Specifications

### G110

#### 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><br>O <sub>2</sub> | 0-100%<br>0-100%   |
| Measurement Accuracy          | Gas                               |  |
|                               | CO <sub>2</sub>                   | Accuracy ± (1.5% of range +2% of reading) at reference conditions<br>Temperature dependence ± 0.2% vol/°C (typical)<br>Pressure dependence ± 0.02% vol/hPa (typical) |
|                               | O <sub>2</sub>                    | ±1.0% Full Scale @ constant temperature and pressure<br>± 2.0% Full Scale over operating temperature range   |
| Response time T <sup>90</sup> | CO <sub>2</sub><br>O <sub>2</sub> | ≤20 seconds<br>≤60 seconds   |

#### FACILITIES

|                               |   |
|-------------------------------|---|
| Temperature ( Optional)       | x2 using optional probes 0 °C to +50 °C                         |
| Temperature accuracy, typical | ± 0.2 °C from 32 to 44 °C, ± 0.5 °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 CO <sub>2</sub> and O <sub>2</sub> alarm levels |
| Communications                | USB type B mini-connector, HID device class                     |
| Data Storage                  | 1000 readings   |

#### 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 55mm |



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