VIASENSOR

A ▼QED COMPANY

CO_2 ANALYSIS
G110

SPECIALIST CONTROLLED
ATMOSPHERE MONITORING

G110

CO_2 analyzer
designed to **monitor Carbon Dioxide** for multiple applications
including *Brewing industries.*

This unit has been developed to incorporate the latest technology
and specification requirements to provide the user
with a fast, simple-to-use analyzer.

- **Quick verification of CO_2 levels**

- **High accuracy on CO_2 readings**

- **Built in gas moisture removal**

VIASENSOR

www.viasensor.com

VIASENSOR

A ▼QED COMPANY

CO$_2$ ANALYSIS
G110

SPECIALIST CONTROLLED
ATMOSPHERE MONITORING

Features

- CO$_2$ 0 – 100%
- Options for:
  – O$_2$ 0 – 100%
  – Dual temperature probes
       32°F – 122°F (0°C – 50°C)
  – Humidity Sensor 0 – 100%
  – Data storage and download

Applications

- Food Processing
- Research
- Brewing
- Medical

Key Benefits

- High accuracy on CO$_2$ readings
- Quick verification of CO$_2$ levels
- Time saving with dual temperature probes
- Large data storage with software
- Easy to read large well-lit display
- Built in gas moisture removal

TECHNICAL SPECIFICATIONS:

Gas Ranges

Gases Measured	CO$_2$	By custom dual wavelength infra-red sensor 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*	Gas	
	CO$_2$	± 1% of range after calibration
	O$_2$	± 1% of range after calibration
Response time, T^{90}	CO$_2$	≤20 seconds
	O$_2$	≤60 seconds

* plus accuracy of calibration gas used

Pump

Flow	100cc/min typically

Facilities

Temperature (Optional)	X2 using optional probes, range 32°F to 122°F (0°C to +50.0°C)
Temperature accuracy, typical	±0.2°C
Barometric pressure	800-1,200 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-connect , HID device class
Data Storage	1,000 reading sets + 270 events

Environmental Conditions

Operating temperature	32°F - 122°F (0°C – 50°C)
Relative humidity	0 - 95% non condensing
Barometric pressure	±201 H$_2$O from calibration pressure, (±500mbar)

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

Physical

Weight	1.1 lbs (495 grams)
Size	L 6.5 in, W 3.9 in, D 2.2 in (L 165mm, W100mm, D55mm)
Case Material	ABS / Polypropylene with Silicone Rubber Inserts
Keys	17 Resin capped Silicone rubber keys
Display	Liquid crystal display, 128 x 64 pixel With RGB LED back-light
Gas sample filters	Built-in gas dryer tube to remove moisture User replaceable PTFE water trap filter

VIASENSOR
2355 Bishop Circle West
Dexter, MI. 48130
Phone +1 (909) 783-9472
Fax +1 (909) 825-0591

✍ Note:

Due to Viasensor's continuous program of improvement, this specification is subject to change without prior notice.

www.viasensor.com