

# VIASENSOR

A QED COMPANY

**N<sub>2</sub>O, 0-100% GAS ANALYZER  
G210**

PIPED MEDICAL  
GAS VERIFICATION



G210

The **G210** is specifically designed for **highly accurate** measurement and verification of the quality of piped **N<sub>2</sub>O and O<sub>2</sub> medical gases** in hospitals.

- ❖ Simplifying piped medical gas verification
- ❖ 4 gases measured in one analyzer
- ❖ Data storage and download

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## N<sub>2</sub>O, 0-100% GAS ANALYZER G210



PIPED MEDICAL  
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### Features

- 0 – 100% N<sub>2</sub>O
- 0 – 100% O<sub>2</sub>
- 0 – 500 ppm CO (optional)
- 0 – 2,000 ppm CO<sub>2</sub>
- Data storage with site & ID input
- User alarms

### Applications

- Hospital piped gases
- Leak detection

### Key Benefits

- 4 gases measured in one analyzer
- Easy user calibration
- Quick verification of gas quality
- Enter specific site & IDs for monitoring points
- Identify contaminants CO and CO<sub>2</sub>

#### TECHNICAL SPECIFICATIONS:

#### Gas Ranges

Gases Measured	N <sub>2</sub> O	By custom dual wavelength infra-red cell
	CO <sub>2</sub>	By custom dual wavelength infra-red cell
	O <sub>2</sub> (Optional)	By internal electrochemical cell
	CO (Optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
CO cell lifetime	Approximately 2 years in air	
Range	N <sub>2</sub> O	0 - 100%
	CO <sub>2</sub>	0 - 2,000ppm
	O <sub>2</sub>	0 - 100%
	CO	0 - 500ppm
Measurement Accuracy*	Gas	
	N <sub>2</sub> O	± 1% of range after calibration
	CO <sub>2</sub>	± 3% of range after calibration
	O <sub>2</sub>	± 0.5% of range after calibration
	CO	± 2ppm for 0-20ppm after calibration ± 5% of range from 21 - 500ppm after calibration
Response time, T <sup>90</sup>	CO <sub>2</sub>	≤ 20 seconds
	O <sub>2</sub>	≤ 60 seconds
	N <sub>2</sub> O	≤ 20 seconds
	CO	≤ 60 seconds

\* plus accuracy of calibration gas used

#### Facilities

Visual and audible alarm	User selectable N <sub>2</sub> O, CO, CO <sub>2</sub> and O <sub>2</sub> alarm levels
Communications	USB type B mini-connector, HID device class
Data Storage	1000 reading sets + 270 events 50 Site ID's and 300 sample point ID's

#### Environmental Conditions

Operating temperature	32F–122F (0°C – 50°C)
Relative humidity	5% to 95% non condensing
Barometric pressure	500 to 1,500mb
IP rating	IP40

#### Power Supply

Battery type	Li Ion
Battery life	10 Hours (8 hours with pump)
Battery lifetime	>300 Cycles
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 (500 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	User replaceable PTFE water trap filter

#### Pump

Flow	100cc/min typically
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#### Note:

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