

VIASENSOR

A QED COMPANY

**N₂O, 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 **N₂O and O₂ medical gases** in hospitals.

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

VIASENSOR

www.viasensor.com

2355 Bishop Circle West - Dexter, MI. 48130 • Phone +1 (909) 783-9472 • +1 (855) VIASENSOR • Fax +1 (909) 825-0591

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PIPED MEDICAL
GAS VERIFICATION

Features

- 0 – 100% N₂O
- 0 – 100% O₂
- 0 – 500 ppm CO (optional)
- 0 – 2,000 ppm CO₂
- 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 CO₂

TECHNICAL SPECIFICATIONS:

Gas Ranges

Gases Measured	N ₂ O	By custom dual wavelength infra-red cell
	CO ₂	By custom dual wavelength infra-red cell
	O ₂ (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 ₂ O	0 - 100%
	CO ₂	0 - 2,000ppm
	O ₂	0 - 100%
	CO	0 - 500ppm
Measurement Accuracy*	Gas	
	N ₂ O	± 1% of range after calibration
	CO ₂	± 3% of range after calibration
	O ₂	± 0.5% of range after calibration
	CO	± 2ppm for 0-20ppm after calibration ± 5% of range from 21 - 500ppm after calibration
Response time, T ⁹⁰	CO ₂	≤ 20 seconds
	O ₂	≤ 60 seconds
	N ₂ O	≤ 20 seconds
	CO	≤ 60 seconds

* plus accuracy of calibration gas used

Facilities

Visual and audible alarm	User selectable N ₂ O, CO, CO ₂ and O ₂ 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.

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