

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

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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 |
|------|---------------------|

Note:

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

Distributed by:



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