

G210 Gas Analyser – 4-in-1 piped medical gas verifier

SPECIFICATION SHEET

Accurate quality assessment of N₂O, O₂, CO and CO₂

Specifically designed for accurate measurement and verification of piped N₂O, O₂ and contaminants in hospitals. Measures four gases (N₂O, O₂, CO and CO₂) within one analyser.

Features

- Potable and user friendly
- Easy user calibration
- Quick verification of gas quality
- Tailor monitoring by site and ID
- Data storage with site and ID input
- User alarms
- Identify contamination with CO and CO₂.

Applications

- Hospital piped gases
- Fast, accurate and reliable results
- Leak detection.

Specification

Battery Type	Li Ion
Battery Life	> 10 hours (8 hours with pump)
Charging Time	> 4 hours
Alternative Power	USB connector, DC power supply

Gas Ranges

Gases Measured	N ₂ O, CO ₂ – Custom dual wavelength infrared cell Optional O ₂ – Custom dual wavelength infrared cell Optional CO – Internal electrochemical cell
Range	N ₂ O 0–100% O ₂ 0–100% CO ₂ 0–2000ppm CO 0–500ppm

Accuracy	N ₂ O Resolution: 0.1% – Accuracy: ±(1% of range + 2% of reading) ¹ O ₂ Resolution: 0.1% – Accuracy: ±2% full scale CO ₂ Resolution: 5ppm – Accuracy: ±(2% of range or 2% of reading) ¹ CO Resolution: 1ppm – Accuracy: ±5% of range at constant temperature and pressure
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Response Time, T90	N ₂ O ≤40 seconds O ₂ ≤60 seconds CO ₂ ≤40 seconds
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¹Conditions during factory calibration, typically 20°C, 1,000mbar

Facilities

Visual & 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	1,000 reading sets plus 270 events. 50 site IDs and 300 sample point IDs
Pump Flow	Typically 100cc/min (300cc/min maximum)

Environmental conditions

Operating temperature	5°C to 40°C
Barometric pressure	500 to 1,500 mbar
Relative Humidity	5% to 95% non-condensing
IP rating	IP40

Physical

Weight	500 grams (including batteries)
Dimensions	(H x W x D) 165 x 100 x 55mm



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