

VIASENSOR

A ▼ QED COMPANY

**N₂O, 0-1,000PPM GAS ANALYZER
G200**

**DENTAL STAFF SAFETY
MEDICAL STAFF SAFETY**



G200

The G200 N₂O analyzer
is designed to **safety check** background
and breathing zone levels of N₂O
(0–1,000ppm)

- ❖ **Ideal for Dental Industry Applications**
- ❖ **Portable Analyzer for breathing zones**
- ❖ **Easy to read display**

VIASENSOR

www.viasensor.com

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MEDICAL STAFF SAFETY

Features

- 0 – 1,000 ppm N₂O
- Storage for 1000 readings
- TWA calculated
- Leak detection
- User settable alarms
- Data download for graphing and reporting

Applications

- Operating Rooms
- Dental Practices
- Veterinary clinics
- X-ray departments

Key Benefits

- Accurate verification of exposure limits
- Dual purpose background analyzer or personal analyzer
- Leak detection for N₂O storage
- Highly portable

TECHNICAL SPECIFICATIONS:

Gas Ranges

Gases Measured	N ₂ O	By custom dual wavelength infra-red sensor with reference channel
Range	N ₂ O	0-1,000ppm 0-10,000ppm (leak detection mode, indication only)
Measurement Accuracy*	N ₂ O	Resolution: 1 ppm +/-5 ppm for 0-100 ppm after user calibration ± 1.5% of range for 101 ppm and above, after user calibration
Response time, T⁹⁰	N ₂ O	≤40 seconds

* plus accuracy of calibration gas used

Facilities

Visual and audible alarm	User selectable N ₂ O and TWA alarms
Communications	USB type B mini-connector, HID device class
Data Storage	1,000 reading sets + 270 events 50 Site ID's and 300 sample point ID's

Pump

Flow	100cc/min typically
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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 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 and - Soda lime CO ₂ filter

Note:

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

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