

# VIASENSOR

N<sub>2</sub>O, 0-1,000PPM GAS ANALYZER  
G200

MEDICAL STAFF SAFETY



G200

The **G200 N<sub>2</sub>O** analyzer is designed to **safety check** background and **breathing zone levels of N<sub>2</sub>O** (0–1,000ppm)

- ✚ Easy to read large well-lit display
- ✚ Potable Analyzer for breathing zones
- ✚ Built in gas moisture removal

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[www.viasensor.com](http://www.viasensor.com)

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## Features

- 0 – 1,000 ppm N<sub>2</sub>O
- 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 N<sub>2</sub>O storage
- Highly portable

### TECHNICAL SPECIFICATIONS:

#### Gas Ranges

Gas Measured	N <sub>2</sub> O	By custom dual wavelength infra-red sensor with reference channel
Range	N <sub>2</sub> O	0-1,000ppm 0-10,000ppm (leak detection mode)
Measurement Accuracy*	N <sub>2</sub> O	<b>Resolution:</b> 1ppm ± 1.5% of range after calibration (typically ± 7ppm at 100ppm N <sub>2</sub> O, after calibration)
Response time, T <sup>90</sup>	N <sub>2</sub> O	<40 seconds

\* plus accuracy of calibration gas used

#### Facilities

Visual and audible alarm	User selectable N <sub>2</sub> 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 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 and - Soda lime CO <sub>2</sub> filter

#### Note:

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

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