

VIASENSOR

G200 N₂O, 0–1000_{PPM} GAS ANALYZER



MEDICAL STAFF SAFETY

G200

The G200 N₂O analyzer is designed to safety check background and breathing zone levels of N₂O (0–1000ppm) in medical applications.

Benefits

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

Features

- 0 – 1000 ppm N₂O
- Storage for 1000 readings
- TWA calculated
- EH40 occupational exposure limits calculated
- Leak detection
- User settable alarms
- Data download for graphing and reporting

Applications

- Operating theatres
- Dental practices
- Veterinary clinics
- X-ray departments





Related Product

G210

Used to audit check piped medical gases in hospitals, including N₂O, O₂, CO₂ and CO.

Technical Specifications

G200		
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	
GAS RANGES		
Gases measured	N ₂ O	By custom dual wavelength infra-red cell with reference channel
Range	N ₂ O	0 - 1,000ppm 0 - 10,000ppm (leak detection mode)
Measurement accuracy	Gas	
	N ₂ O	Resolution: 1ppm Accuracy: ± (1.5% of range + 2% of reading) at reference conditions ¹ Temperature dependence: ± 2ppm /°C (typical at 100ppm N ₂ O) Pressure dependence: ± 0.1% of reading/ hPa (typical at 100ppm N ₂ O)
Response time, T ⁹⁰	N ₂ O	≤ 40 seconds
¹ Conditions during factory calibration, typically 20°C, 1000mbar		
FACILITIES		
Visual and audible alarm	User selectable N ₂ O and TWA alarms	
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	
PUMP		
Flow	100cc/ min typically (300cc/ min MAX)	
ENVIRONMENTAL CONDITIONS		
Operating temperature	41°F – 104°F (5°C – 40°C)	
Barometric pressure	500 to 1500mb	
Relative humidity	5% to 95% non condensing	
IP rating	IP40	
PHYSICAL		
Weight	18 oz. (500 grams)	
Size	L 6½" x W 4" x D 2 3/16" (L 165mm, W 100mm, D 55mm)	

VIASENSOR

Diamond Systems LLC • Authorized Distributor
55 East Broad St., Titusville, Florida 32796
Phone (321) 223-7500 • Fax (321) 747-0316 • www.viasensor.info

Product designs and specifications are subject to change without notice. User is responsible for determining suitability of product.