





N2O GAS ANALYSER | MEDICAL STAFF SAFETY

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

SECTOR

Medical gas

APPLICATIONS

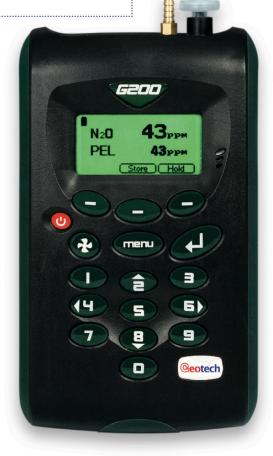
- Operating theatres
- Dental practices
- Veterinary clinics
- X-ray departments

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

BENEFITS

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





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





TECHNICAL SPECIFICATIONS

POWER SUPPLY			
Battery type	Li lon		
Battery life	12 hours (10 hours with pump)		
Battery lifetime	600 cycles		
Battery charger	5Vdc external power supply and internal charging circuit		
Charge time	Approximately 4 hours from complete discharge		
Alternative power	5Vdc power supply		
GAS RANGES	3 vac power supply		
Gases measured	N ₂ O	By custom dual wavelength infra-red cell with reference channel	
Range	1120	0 - 1,000ppm	
	N ₂ O	0 - 10,000ppm (leak detection mode, indication only)	
Typical accuracy*		Resolution: 1ppm	
	N.O.	± 5ppm for 0-100ppm after user calibration	
	N ₂ O		
D	N.O.	± 1.5% of range for 101ppm and above, after user calibration	
Response time, T ⁹⁰	N ₂ O	≤ 40 seconds	
*Typical accuracies	All typical accuracies quoted are after calibration plus accuracy of calibration gas used.		
FACILITIES	Hannada stable N.	2 and TMA alamas	
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 typical	ly	
ENVIRONMENTAL CONDITIO			
Operating temperature	0°C to 50°C		
Barometric pressure	500 to 1500mb		
Relative humidity	5% to 95% non condensing		
IP rating	IP40		
PHYSICAL			
Weight	500 grams		
Size	L 165mm, W 100mm, D 55mm		
Case material	ABS / Polypropylene with Silicone Rubber Inserts		
Keys	17 Resin capped Silicone rubber keys		
Display	Liquid crystal display, 128 x 64 pixel		
C C 1 5'1		With RGB LED back-light	
Gas Sample Filters CERTIFICATION	User replaceable P	TFE water trap filter, G1.10 - Soda lime CO_2 filter	
EN 50270 : 2006		Electromagnetic compatibility- Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen	
EN 61010-1 : 2010	Safety requirement	Safety requirements for electrical equipment for measurement, control, and laboratory use. Part 1: General requirements	



