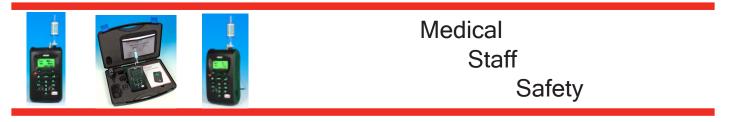


 $\begin{array}{c} G200\\ N_2O, \ 0-1000_{\text{PPM}} \text{ GAS ANALYSER} \end{array}$



G200

The G200 N_2O analyser is designed to safety check background and breathing zone levels of N_2O (0-1000ppm) in medical applications.

Benefits

- · Accurate verification of exposure limit breaches
- Dual purpose background analyser or personal analyser.
- 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



Technical Specifications

G200			
POWER SUPPLY			
Battery type	Li Ion	Li Ion	
Battery life	12 hours (10 hours with pump)		
Battery lifetime	600 cycles		
Battery charger	5v DC external power supply and internal charging circuit		
Charge time	4 hours		
Alternative power	5Vdc 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, indication only)	
Measurement accuracy*	N ₂ O	Resolution: 1ppm ± 5ppm for 0-100ppm after calibration ± 1.5% of range for 101ppm and above, after calibration	
Response time, T ⁹⁰	N ₂ O	\leq 40 seconds	
* plus accuracy of calibration gas used			
FACILITIES			
Visual and audible alarm	User select	User selectable N_2O 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	100cc/ min typically	
ENVIRONMENTAL CONDITIONS			
Operating temperature	0°C to 50°C		
Barometric pressure	500 to 1500mb		
Relative humidity	5% to 95% non condensing		
IP rating	IP40	IP40	
PHYSICAL			
Weight	500 grams		
Size	L 165mm, \	L 165mm, W 100mm, D 55mm	
Case material	ABS/ Polypropylene with Silicone Rubber Inserts		
Keys	17 Resin ca	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, G1.10 - Soda lime CO_2 filter		



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Product designs and specifications are subject to change without notice. User is responsible for determining suitability of product. Page 2 of 3 Geotechnical Instruments Ltd DS15, Iss.08

Technical Specifications

G200	
CERTIFICATION	
EN 50270 :2006	Electromagnetic compatibility - Electrical apparatus for the detection and
	measurement of combustible gases, toxic gases or oxygen
EN 61010 -1:2010	Safety requirements for electrical equipment for measurement, control, and
	laboratory use. Part 1: General requirements

Note 1.: Due to Geotech's continuous programme of improvement, this specification is subject to change without prior notice. Note 2.: For optimum performance during continuous monitoring, a 45 minute warm-up period is recommended.



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