



Medical  
Staff  
Safety

## G200

The G200 N<sub>2</sub>O analyser is designed to safety check background and breathing zone levels of N<sub>2</sub>O (0-1000ppm) in medical applications.

### Benefits

- Accurate verification of exposure limit breaches
- Dual purpose background analyser or personal analyser.
- Leak detection for N<sub>2</sub>O storage
- Highly portable

### Features

- 0 - 1000 ppm N<sub>2</sub>O
- 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
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

### GAS RANGES

Gases measured	N <sub>2</sub> O	By custom dual wavelength infra-red cell with reference channel
Range	N <sub>2</sub> O	0 - 1,000ppm 0 - 10,000ppm (leak detection mode, indication only)
Measurement accuracy*	N <sub>2</sub> O	Resolution: 1ppm ± 5ppm for 0-100ppm after calibration ± 1.5% of range for 101ppm and above, 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	1000 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	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 With RGB LED back-light
Gas Sample Filters	User replaceable PTFE water trap filter, G1.10 - Soda lime CO <sub>2</sub> filter

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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