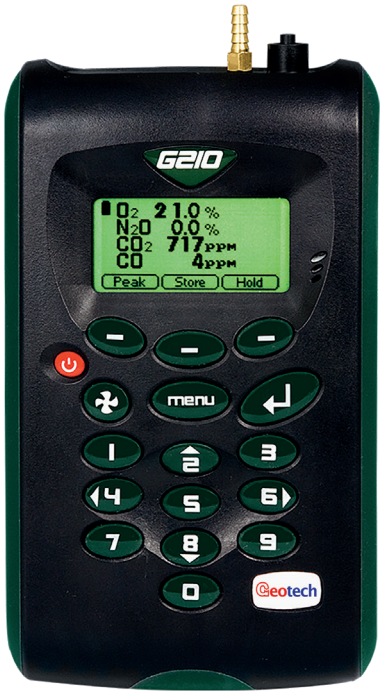
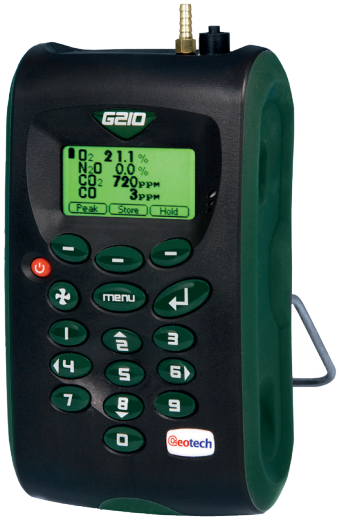
G210

N_2O, 0-100% GAS ANALYSER | PIPED MEDICAL GAS VERIFICATION

The G210 is specifically designed for highly accurate measurement and verification of the quality of piped N_2O and O_2 gases in hospitals.



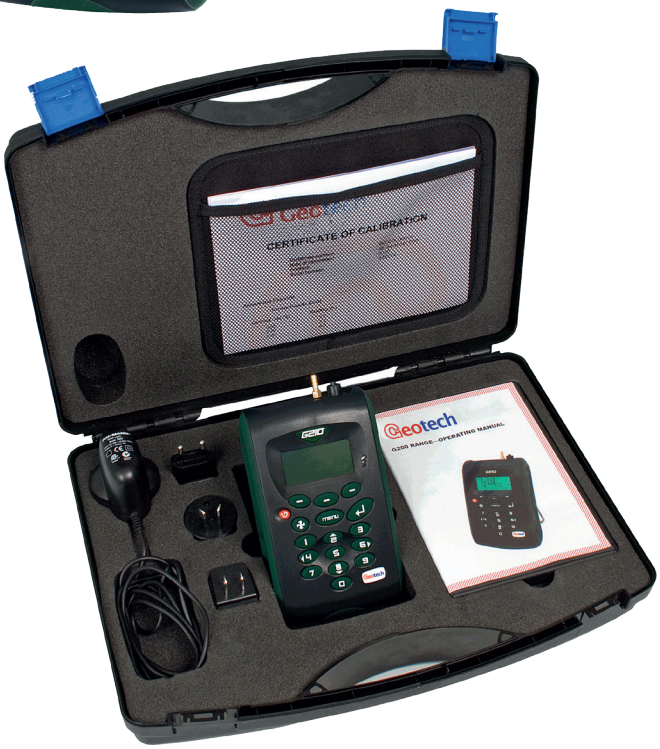


FEATURES

- 0 - 100% N_2O
- 0 - 100% O_2
- 0 - 500 ppm CO (optional)
- 0 - 2000 ppm CO_2
- Data storage with site and ID input
- User alarms

BENEFITS

- 4 gases measured in one analyser
- Easy user calibration
- Quick verification of gas quality
- Enter specific site and IDs for monitoring points
- Identify contaminants CO and CO_2



SECTOR

Medical gas

APPLICATIONS

- Hospital piped gases
- Leak detection

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TECHNICAL SPECIFICATIONS

POWER SUPPLY		
Battery type	Li Ion	
Battery life	12 hours (10 hours with pump)	
Battery lifetime	600 cycles	
Battery charger	5Vdc external power supply and internal charging circuit	
Charge time	4 hours	
Alternative power	5Vdc power supply	
GAS RANGES		
Gases measured	N_2O	By custom dual wavelength infra-red cell
	CO_2	By custom dual wavelength infra-red cell
	O_2 (optional)	By internal electrochemical cell
	CO (optional)	By internal electrochemical cell
Oxygen cell lifetime	Approximately 3 years in air	
CO cell lifetime	Approximately 2 years in air	
Range	N_2O	0-100%
	CO_2	0-2000ppm
	O_2	0-100%
	CO	0-500ppm
Typical accuracy*	N_2O	± 1% of range after calibration
	CO_2	± 3% of range after calibration
	O_2	± 0.5% of range after calibration
	CO	± 2ppm for 0-20ppm after calibration ± 5% of range from 21- 500ppm after calibration
Response time T^{90}	CO_2	≤ 20 seconds
	O_2	≤ 60 seconds
	N_20	≤ 20 seconds
	CO	≤ 60 seconds
*Typical accuracies	All typical accuracies quoted are after calibration plus accuracy of calibration gas used.	
FACILITIES		
Visual and audible alarms	User selectable N_2O, CO, CO_2 and O_2 alarm levels	
Communications	USB type B mini-connector, HID device class	
Data storage	1000 reading sets plus 270 events 50 site IDs and 300 sample point	

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TECHNICAL SPECIFICATIONS CONTINUED

PUMP	
Flow	100cc / min typically
ENVIRONMENTAL CONDITIONS	
Operating temperature	0°C to +50°C
Relative humidity	5% to 95% non condensing
Barometric pressure	500 to 1500mb
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
CERTIFICATION	
EN 50270 :2006	Electromagnetic compatibility- electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen
EN61010-1:2010	Safety requirements for electrical equipment for measurement, control, and laboratory use. Part 1: General requirements

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