

G200 Gas Analyser – Low range background N₂O

SPECIFICATION SHEET

Reliable and portable safety check for accurate verification of exposure limits for N₂O in numerous medical settings.

Features

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

Applications

- Provides fast measurement of atmospheric N₂O
- Cost effective monitor
- Easy to use portable system
- Dental departments
- Professionals using anaesthetic gases
- Surgeries.

Specification

Battery Type	Li Ion
Battery Life	> 10 hours (8 hours with pump)
Charging Time	> 4 hours

Gas Ranges

Gases Measured	N ₂ O	By custom wavelength infra-red cell with reference channel
Range	N ₂ O	0–1,000ppm (0–10,000ppm in leak detection mode)
Accuracy	N ₂ O	Resolution:1ppm Accuracy: ±(1.5% of range + 2% of reading) at reference conditions ¹
Response Time, T90	N ₂ O	≤ 40 seconds

¹Conditions during factory calibration, typically 20°C, 1,000mbar

Facilities

Visual and audible alarm	User selectable N ₂ O and TWA alarms
Communications	USB (type B) mini connector, HID device class
Data Storage	1,000 reading sets plus 270 events
Pump Flow	Typically 100cc/min (300cc/min maximum)

Environmental conditions

Operating temperature	5°C to 40°C
Barometric pressure	500 to 1,500 mbar
Relative Humidity	5% to 95% non-condensing
IP rating	IP40

Physical

Weight	500 grams (including batteries)
Dimensions	(H x W x D) 165 x 100 x 55mm



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