NIPPON GASES

NOXtec

The INO advanced device

Technical Specifications

	Main unit	Trolley
Dimensions: height x width x length	296 x 292 x 253 mm	1285 x 545 x 525 mm
Weight	6.8 kg	33.0 kg
Cylinders in trolley	2 x from 10 to 20 L cylinders. Optionally up to 2 x 34 L treatment cylinders, 1 x from 2 to 5 L calibration or O_2 cylinder	
Operating conditions	10 to 40 °C	
Storage conditions	-10 to 60 °C	
Measuring principle of gases sensors	NO 4 electrodes electrochemical NO_2 4 electrodes electrochemical O_2 partial pressure electrochemical sensor	
Measuring range	NO 0 – 100 ppm NO_2 0 – 20 ppm O_2 0 – 100 %	
Resolution	NO 0.1 ppm NO_2 0.1 ppm O_2 0.1 %	
Dosing modes	- Real time - Semi automatic	-Automatic -Manual
NO set range	0.5 to 100 ppm	
Inspiratory limb flow range	0.5 to 120 l/min	
Screen	Colour LCD 10.1", 1280 x 800 pixels	
Power supply	100 – 240 VAC, 50 – 60 Hz | Internal lithium battery powered device	
Battery	Duration: 6 h | Charging time: 2.5 h	
Classification	Medical device Class IIb (MDR 2017/745)	
IP classification	IP22	
Sound pressure	75-85 dBA (in compliance with EN60601-1-8)	

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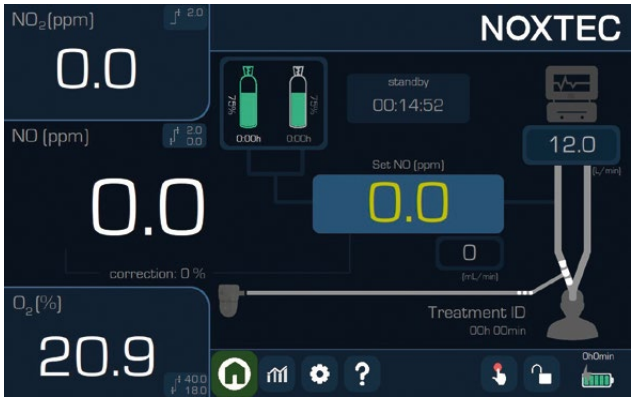
NOXtec is the innovative device that automatically calculates the dose flow necessary to reach the desired PPM concentration, thanks to the disposable respiratory flow sensor that is installed in the patient's breathing circuit. Alternatively, the dose rate can be set manually.

Dose System					
Real time mode	Automatic mode	Semi autom. mode	Manual mode	Cylinder exchange	Automatic venting
✓	✓	✓	✓	✓	✓

Monitor System	
Automatic calibration	Room measurement
✓	✓

Configurable Operational Modes

- User interface, dosing and monitoring modules fully independent to guarantee the patient's safety.
- Automatic calibration of the NO, NO_2 and O_2 sensors, available even when the device is dosing.
- Different dosing modes: Real time, Automatic, Semi automatic, Manual.
- Emergency manual dosing mode with independent outlet even available when the device is off.
- Automatic venting procedure to minimize the NO_2 delivered to the patient at the beginning of the treatment and during cylinder's exchange.
- Measurement of the concentration of NO, NO_2 and O_2 in the room.
- Hot wire pressure technology for the measurement of the flow in the inspiratory limb.
- Option to integrate with Clinical Information System (CIS) or Electronic Medical Record (EMR).
- Connectivity for remote technical assistance.



Discover NOXtec, the integrated devices for controlled delivery of Nitric Oxide (NO)

Real time:
N_2/NO dosing flow is proportional to the respiratory flow all the time (correction every 10ms).

Automatic:
N_2/NO dosing flow is calculated averaging the respiratory flow during a time (selectable between 3-20 seconds).

Semi automatic:
respiratory flow value is defined by the user in the user interface.

Manual:
dosing is controlled by the manual flow controller incorporated to the right side of the device. Gas will be delivered by the same dosing gas outlet.