



MEDICAL

# Penelope

Penelope is an intelligent delivery system for inhaled Nitric Oxide (iNO) therapy.

**Penelope** is a medical device designed to provide the highest safety standard for both the patient and the users during inhaled Nitric Oxide therapy. It offers the nursing staff a user-friendly experience thanks to innovative technological solutions.



- Compatible with most ventilators currently on the market
- Guarantees synchronous, continuous, and manual delivery of Nitric Oxide to neonatal, paediatric and adult patients
- 10.1" LCD colour touch-screen
- Real time monitoring of NO, NO<sub>2</sub> and O<sub>2</sub> levels delivered to the patient and environmental levels of NO and NO<sub>2</sub>
- Easy and quick setup procedure

#### Penelope has:

- **On screen step by step guide** allowing the user to easily perform the zero system test, set the dose, the high/low alarms and the emergency backup system.
- **Skip to system test:** this option allows skipping most of the step-by-step guide and brings the user to the final system test where Penelope simulates Nitric Oxide delivery into a test circuit.
- **Cylinder status icons:** thanks to the pressure sensors attached to the regulators Penelope shows how many hours the cylinder in use will last.
- **Single patient kits:** all consumables, connectors and the water trap required to safely connect Penelope to any ventilation circuit or anaesthesia machine are supplied in a single use patient kit.

Penelope is connected to the ventilation circuit using three main components:

1. Flow monitor line
2. NO delivery line
3. Sample line

The components included in the patient kit enables Penelope to connect to any ventilation circuit present on the market.

Thanks to electronic sensors built within the pressure regulators, Penelope monitors continuously the pressure of the two Nitric Oxide cylinders and provides an estimate

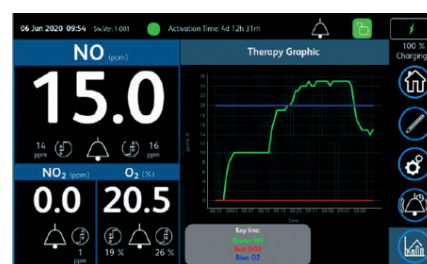
of the remaining hours of therapy allowing the user to plan ahead if additional cylinders are required. Penelope also shows which cylinder is currently in use and is fitted with an automatic change over system which is activated when the cylinder pressure gets below 10 bar.

#### Environmental monitors:

Penelope offers built in environmental monitors which guarantee discrete, continuous and high precision monitoring of the NO and NO<sub>2</sub> levels in the workplace.

#### On-screen therapy history:

Penelope can show on the screen a graph of the NO, NO<sub>2</sub> and O<sub>2</sub> levels for the current patient.



#### Datasheet

Dimensions	450x280x230 mm
Weight	7,5 Kg
Supply voltage	24 V
Noise level	<50 dB
Battery life	>4 hours
Maximum altitude (MASL)	2000 m
Operating temperature	10 °C - 35 °C
Display	Touchscreen LCD 10,1"
Nitric Oxide automatic dosing range	0 - 80 ppm
Detectable ventilator flow range	0,5 - 100 l/min
Nitric Oxide manual dosing flow	10 - 800 ml/min
Oxygen manual dosing flow	3 - 25 l/min
Certification according to 93/42 CEE	IIb
Manufacturer	Sol Group Lab S.r.l.

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