

OXYTERRA RS

DATA SHEET

This is a Data Sheet for the “OXYTERRA RS”, hypoxic, hyperoxic, and normoxic gas mixture Device.

This Data Sheet details the main parameters and Scope of Supply of the “OXYTERRA RS” Device. It also includes information on storage, transportation, and disposal.

Data Sheet Guidelines:

- The Data Sheet must always be with the Device.
- Entries must be clear and accurate.
- Do not use erasures, pencil, or erasable ink.
- Incorrect entries must be crossed out and corrected. The correction must be signed by the responsible person.
- Signatures must include the full name of the responsible person. A personal stamp is acceptable.

Manufacturer

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Company certification

Standard N°	Registration N°	Scope
ISO 9001:2015	IC-QM-2405228	Production, Export, Service, and Technical Support of Home Appliances that help for Recreation
ISO 45001:2018	IC-OS-2405230	
ISO 14001:2015	IC-EM-2405229	
ISO 22716:2007	IC-GMP-2405019	

Declaration of conformity

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SAFETY PRECAUTIONS

-  Using the Device for purposes different from those specified in this Data Sheet is strictly prohibited.
-  Keep the Device at least 3 meters away from sources of electromagnetic radiation, including cell phones, X-ray machines, and welding equipment.
-  Do not use the Device in high humidity or rain.
-  Do not let moisture enter the Device.
-  Do not expose the Device to direct sunlight.
-  Do not twist, stretch, or bend wires and hoses.
-  Do not subject the Device to rough mechanical impact.
-  Use the Device only with the components provided by the manufacturer. Do not use incompatible accessories.
-  The Device has no user-serviceable parts. Do not open the Device's enclosure.
-  Do not modify or alter the Device or its components.

1. DESCRIPTION

1.1. Purpose of the Device

The Device is designed to produce hypoxic, hyperoxic and normoxic gas mixtures from ambient air in order to conduct normobaric interval hypoxic and hyperoxic trainings.

1.2. Scope of Supply

Nº	Item	Documentation or Manufacturer	Q-ty
I	“OXYTERRA RS”	NMCD 9506.91.10.001	1
1	Power cord	Purchased product	1
2	Face Masks (sizes 4, 5, 6)	Intersurgical Ltd. (UK)	2
3	Angle connectors 22f-22m	Intersurgical Ltd. (UK)	1
4	Respiratory Valves: Pressure Relief Valves 22m-22f; Pressure Relief Valves 22m-22m.	Intersurgical Ltd. (UK)	2 1
5	Breathing hose 22 mm Flextube (2,8 m)	Intersurgical Ltd. (UK)	1
6	T-connectors 22m/15f-22f-22f	Intersurgical Ltd. (UK)	2
7	Pulse Oximeter Sensors (Disposable and Reusable)	Included with Device	2
Technical documentation			
1	Operation Manual	NMCD 9506.91.10.001 OM	1
2	Data Sheet	NMCD 9506.91.10.001 DS	1

1.3. Technical characteristics

Parameter	Value
Power supply	
Rated voltage	(220±22) V, 50 Hz
Power consumption	1200 VA
Breathing mixture generator	
Oxygen Concentration Range (Hypoxic)	from 7% to 16% (adj. step 0,5%)
Oxygen Concentration Range (Hyperoxic)	33%
Time to reach the set oxygen concentration	≤ 30 s
Output Flow Rate	≥ 20 l/min
Breathing mixture monitor	
Oxygen Concentration Range	from 7% to 33%
Resolution	0,1%
Accuracy	±1% (from 7% to 16%),
Pulse oximeter	
Pulse Range	from 30 bpm to 250 bpm
Pulse Resolution	2 bpm
SpO ₂ Range	from 70% to 100%
SpO ₂ accuracy	±3 %

Dimensions	
Weight (without accessories)	55 kg ±2,5%
Dimensions	500 x 500 x 1070 mm
Reliability	
Average +	10 000 hours
Average Service Life	5 years
Operating conditions	
Temperature	+15 to +35 °C,
Relative Humidity	up to 80%
Transportation conditions	
Temperature	-40 to +50 °C
Relative Humidity	up to 95%
Storage conditions	
Temperature	+5 to +40 °C
Relative Humidity	up to 80%

2. MAINTENANCE AND CARE

2.1. Maintenance

Inspect the Device weekly for mechanical damage, including the power cord, pulse oximeter sensor, markings, and connectors.

Remove dust and moisture from all external surfaces.

Only qualified personnel, familiar with safety procedures and the Device's operation, should perform maintenance.



Improper or delayed maintenance can damage the Device.

Avoid using abrasive materials or strong disinfectants.

2.2. Calibration

Factory testing ensures the Device meets parameters in Section 1.3. For recalibration, contact the manufacturer.

3. STORAGE, TRANSPORTATION, AND DISPOSAL

3.1. Storage

Store the Device in its original packaging during the warranty period.

Store the Device away from direct sunlight, moisture, temperature extremes, dust, active chemicals, precipitation, ammonia, or corrosive gases and environments. Keep the temperature between +5 °C and +40 °C and relative humidity of up to 80%.

If needed, store on shelves in a single row. Adhere to handling instructions on the packaging.

3.2. Transportation

Transport the Device in covered vehicles in accordance with relevant cargo regulations.

During transportation, maintain temperatures from -40 °C to +50 °C and humidity below 95% (without condensation).

3.3. Disposal

If the Device is no longer repairable or suitable for use, dispose of it according to applicable regulations. Ensure compliance with all legal and technical requirements for disposal.

Criteria for Device End-of-Life:

- The Device can no longer be safely used.
- The Device lifespan is exhausted, and repair is economically unfeasible.

4. PACKING CERTIFICATE

The "OXYTERRA RS" Device, serial number _____, manufactured on _____, has been packed per technical documentation requirements.

Packed by: _____ / _____ /
(signature) (name)

Date: _____

5. ACCEPTANCE CERTIFICATE

The "OXYTERRA RS" Device, serial number _____, manufactured on _____, has been inspected, accepted, and is fit for use.

QC representative: _____ / _____ /
(signature) (name)

Stamp

6. SHIPPING NOTE

The "OXYTERRA RS", serial number _____, manufactured on _____, was shipped from the Manufacturer on _____

_____ / _____ /
(signature) (name)

Stamp

7. MANUFACTURER'S WARRANTIES

The warranty lasts for 12 months from the date of acceptance.

The Manufacturer guarantees the Device meets technical specifications if the transportation, operation, and storage instructions are followed.

Opening the Device voids the warranty. The Manufacturer will not accept claims for:

- Mechanical damage;
- Improper use;
- Software damage caused by malware;
- Foreign objects, liquids, animal waste, or insects inside the Device;
- Issues caused by external power or connected equipment faults;
- Damaged seals, stickers, or signs of unauthorized repair.

The Device has no user-serviceable parts. Repairs must be conducted by the Manufacturer or an authorized service center.

Free repairs are available during the warranty period for Device faults. The Manufacturer or authorized service center handle transportation of the faulty Device to the Manufacturer or the authorized service center.

WARRANTY CARD

To be filled out by the Seller:

Serial Number:	
Date of Manufacture:	
Date of Sale:	
Seller's Name, Contact Information, and Stamp:	

To be filled out by the Buyer:

Acknowledgment of Warranty Terms:

(Buyer's signature)

OPERATIONAL LOG

Recording all maintenance, current repairs, and component replacements of the Device is mandatory.

Date	Description and Reason	Title, Name, Signature	
		Performed by	Accepted by

