LUNA 100 - 150

Luna 100/ 150 is an high-tech pressure & volume ventilator operating with different circuits . Equipped with a 7" touchscreen display, allows easily to set through a with wide range of ventilation modes for patients with diverse needs and rechargeable battery.

MODELS AVAILABLE

- **LUNA 100:** Pressure & Volume Ventilator single limb (active valve, leakage/whisper system + MPV)
- **LUNA 150:** Pressure & Volume Ventilator Dual limb (active valve), single limb (active valve, leakage/whisper system + MPV)

FIELD OF APPLICATION

- Hospitals
- Home Care
- Respiratory Therapy Clinics

SUITABLE FOR

- Ideal for patients with acute/chronicrespiratory failure
- Not designed to be used as an emergency ventilator
- It can be used for both invasive and non-invasive ventilation
- Provides continuous or intermittent ventilatory support for the care of subjects requiring mechanical ventilation
- Adult and pediatric up to 5kg

OUTSTANDING FEATURES

- Wide therapeutic versability: Invasive and non-invasive ventilation, with active valve circuits and leakage circuits
- Accurate volume and trigger sensitivity
- Wide range of settings and alarms for each specific requirement
- “Easy to use” interface
- Measurement of expiratory volumes with “dual limb” circuit,
- Storing and download of the stored therapies and alarm event

TECHNICAL FEATURES

General characteristics			Accuracy
Applications	IV, NIV, Mouthpiece ventilation (MPV), High flow oxygen therapy (HFOT)		
Ventilation modes	PSV, APCV, PCV, CV, ACV, SIMV, SIMVp, CPAP (only with leakage system)		
Usable Circuits	Single limb with leakage Single limb with active valve Single limb (15mm) for MPV Single limb with HFNC (high flow nasal cannula) for HFOT Dual limb with active valve **(available only with Luna 150)**		
Multi-therapy	Up to 5		
Pressure Support	1 – (60-EPAP) hPa (step 0.5 hPa) . The pressure above the EPAP		± 10% or 2hPa
Expiratory pressure	0 - 25 hPa (step 0.5 hPa) with active valve systems 3 - 25 hPa (step 0.5 hPa) with leakage systems		± 10% or 2hPa
Inspiratory volume	50 ml -2500 mL (10 ml-500 ml: step 10 ml; 500 ml-2500 ml: step 50 ml)		± 10% or 30ml
Frequency	1- 60 BPM (step 1 BPM)		±1 bpm
Inspiratory controlled time	0.3 - 5.0 sec (step 0,1 sec)		± 5% or 0.2s
Minimum inspiratory assisted time	0.3 - 3.0 sec (step 0,1 sec)		± 5% or 0.2s
Maximum inspiratory assisted time	0.8 - 5.0 sec (step 0,1 sec)		± 5% or 0.2s
Target volume	OFF – 50ml to 2500ml		± 10% or 30ml
Flow (HFOT)	10-70 lpm (step 1 lpm)		
O2 FLOW (HFOT)	0-30 lpm (step 1 lpm)		
Flow curves	Square, decelerated		
Inspiratory trigger	Autotrack + 9 different levels (1 = most sentive, 9 = less sensitive)		
Expiratory trigger	Autotrack, from 10% to 90% from the peak inspiratory flow (10% = less sensitive, 90% = most sensitive)		
Alarms	Inspiratory pressure Expiratory pressure Respiratory rate Tidal volume Minute ventilation Expiratory Volume High leakage – Open circuit Low level battery No power supply	High-Low High-Low High-Low High-Low High-Low High-Low **(only with Luna 150)**	
Oxygen therapy	Low pressure – max 30 lpm @ 60hPa		
Particle and liquid protection	IP21		
Sound pressure alarms	90dBA		
Noise	Mode PCV, Interface LkFace, Closed circuit. Front Noise 31dB@10hPa; Mode PCV, Interface Dual, connected to a real Test Lung : Front Noise 46dBA@10hPa; 65dbA@60hPa		
Dimensions	27 x 26 x 13 cm (L x H x P)		
Weight	3.2 Kg		
Power supply	100/240V, -20%+10%, 50/60 Hz, 160VA Internal rechargeable in LiPo – 18 hours working autonomy in standard conditions (PS 15 hPa, Peep 5 hPa, Fr 15) Charging time: 8 hours from fully discharged to fully charged		
Conditions of Use	From 10 ° C to 40 ° C; Humidity: 10% to 90%, non-condensing Atmospheric pressure between 700hPa and 1060hPa		
Transportation conditions and storage	From -25°C without humidity control, to + 70 °C 93% relative humidity, non-condensing		
Safety standards	EN60601-1, EN60601-1-2, EN62366, EN62304 EN60601-1-11, EN60601-1-8, ISO 10651-6		
Conformity	93/42/ECC and 2007/47/EC		
Electrical Insulation	Class II - BF		
Risk class	2B		