

FAST RESPONSE VENTILATOR FOR EMERGENCIES

OXYMAG

OXYMAG is the pulmonary ventilator that thinks as fast as an emergency team. It is lightweight, flexible and simple, compact and durable, which makes it ideal for emergency transportation.

It provides high-performance ventilation for all types of patients, from neonatal to adult.

Features

- Graphics and numeric read-out like those found in Intensive Care.
- Flexible data viewing to simplify clinical decisions.
- Monitors capnography and oxymetry and only uses O₂.
- Battery Life of over 6 hours.
- Smart alarm system.



USER INTERFACE	
Type and Size	TFT-LCD touchscreen 5,7"
Weight	3,0 kg (6.6 lbs)
Dimensions W x H x D	254 x 230 x 185mm (10 x 9.0 x 17.3 inch)
Communication/Interface	RS-232C ports
Operating Conditions Specifications	
Electrical power supply	100 to 240 V, 50/60 Hz
12 V _{DC} external	yes
Battery	6.5 hours
O ₂ inlet:	39 to 87 psi (270 to 600 kPa)
Standard connection available	DISS (optional NIST)
Temperature	-18 to 50°C (0 to 122°F)
Barometric pressure	600 to 1.100 cmH ₂ O (or hPa or mbar)
Relative humidity	15 to 95%
PARAMETER ADJUSTMENTS	
Type of patient	Adult, Pediatric and Neonatal
Tidal volume	20 to 2.500 ml
Respiratory rate	0 to 150 bpm
Inspiratory flow	0 to 150 l/min
Rise time	0 to 2,0 s
Inspiratory time	0,1 to 10 s
Inspiratory pressure	1 to 60 cmH ₂ O (or hPa or mbar)
Peep	0 to 40 cmH ₂ O (or hPa or mbar)
Support pressure /Dpsupp	OFF, 5 to 60 cmH ₂ O (or hPa or mbar)
Flow cycling (% of peak flow)	5 to 80 %
Trigger sensitivity (Pressure trigger)	OFF; -0,2 to -10 cmH ₂ O (or hPa or mbar)
Trigger sensitivity (Flow trigger)	OFF; 0,5 to 30 L/min
I:E ratio	1:4 a 4:1
O ₂ Concentration	OFF; 35 to 100%
Type of inspiratory flow	Constant, decelerating, accelerating & sine
MONITORING	
Curve	PxT, FxT and VxT/ SpO ₂ / CO ₂
Loops	VxF, PxV
Bargraph	Instant Pressure
FiO ₂	Galvanic cell
Numerical value	Volume inhaled and exhaled, FiO ₂ , dynamic compliance, intrinsic PEEP, resistance, O ₂ pressure, O ₂ consumption, EtCO ₂ *, CO ₂ *, SpO ₂ **, heart rate**, perfusion index**

* Using Capnography. ** Using Oximetry.

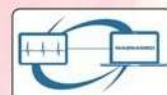
VENTILATION MODES	
VCV / VCV-AC; PCV / PCV-AC; PLV-AC; V-SIMV + PS; P-SIMV + PS; DualPAP / APRV; CPAP/PSV; NIV	
ALARMS	
Minute volume	high / low
Respiratory rate	high / low
Inspiratory pressure	high / low
Peep	high / low
Apnea time	OFF, 5 to 60 s
Automatic alarm settings	OFF, 10%, 20% and 30%
GENERAL SPECIFICATIONS	
Stand by	on/off
Manual cycles	yes
Freeze	yes
Sigh	yes
Automatic barometric compensation	yes
OPTIONAL	
Mobile base, wall support, transport system (bags), capnography and oximetry. DC / DC cable, Air and O ₂ blender	
Fastening and transport systems	Emergency vehicles; Intensive care unit vehicles; Helicopters; Gurneys and hospital beds.



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