

Oxylog® 2000 plus

Step up your performance with Oxylog® 2000 *plus*. The Oxylog® 2000 *plus* supports you in your daily challenge of saving peoples lives, no matter where the call takes you. Invasive or non-invasive, Oxylog® 2000 *plus* can meet this challenge by putting essential ventilation tools at your fingertips. The Oxylog® 2000 *plus* can make all the difference.



TECHNICAL DATA

The Oxylog 2000 *plus* is a time-cycled, volume controlled emergency and transport ventilator with Pressure Support for patients requiring mandatory or assisted ventilation with a tidal volume from 100 mL upwards.

Dimensions (W x H x D)	285 x 184 x 175 mm / 11.10 x 7.24 x 6.89 inch (excluding handle)
Weight	Approximately 5.4 kg / 11.9 lbs (including internal battery)

Gas supply

Supply gas	Medical Oxygen
Supply pressure	270 - 600 kPa at 100 L/min
Gas consumption for internal control	0.1 to 0.5 L/min

Operating data

Ventilation Modes	VC-CMV, VC-AC, VC-SIMV, SpnCPAP
Options	Pressure Support Ventilation and Non-Invasive (mask) Ventilation
Special Functions	Apnea Ventilation (For switching over automatically to volume-controlled mandatory ventilation, if breathing stops)
Ventilation respiratory rate	2 to 50 /min \pm 1 /min (VC-SIMV) 5 to 50 /min \pm 1 /min (VC-CMV, VC-AC) 12 to 50 /min \pm 1 /min for apnea ventilation
Tidal volume Vt	100 to 2000 mL, BTPS*
Ventilation time ratio I:E (VC-CMV, VC-AC)	1:4 to 3:1
Inspiration time Ti (VC-SIMV, VC-SIMV / PS)	0.2 to 10 seconds
FiO ₂ concentration	100% (No-AirMix) or approximately 40% (O ₂ AirMix).**
PEEP	0 to 20 mbar / cmH ₂ O
Trigger sensitivity (flow trigger)	3 to 15 L/min
Pressure support Δ P _{supp}	0 to 35 mbar (relative to PEEP), slope adjustable in 3 steps
Maximum inspiratory flow	100 L/min (supply pressure > 350 kPa / 51 PSI, 80 L/min (supply pressure < 350 kPa / 51 PSI)
Measured value display	VTe, MVe, MVespon, RR, RRsp, PEEP, Pmean, PIP, Pplat, O ₂
Display	Technology: Electro-luminescence, Pixels: 240 * 128, Visible area: 108 * 56 mm / 4.25 x 2.20 inch



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Power supply

Input voltage	19 V \pm 0.5 V DC
AC/DC power pack	Input: 100 to 240 V AC, Output: 19 V DC
DC/DC converter	Input: 12 / 24 / 28 V DC, Output: 19 V DC
Battery type	Lithium ion battery
Operating time (fully charged, "typical" ventilation)	Approximately 4 hours
Battery charging time	Approximately 5 hours

Monitoring

Supply pressure low	Supply pressure < 270 kPa / 39 PSI
Airway pressure (Paw high)	International: Adjustable from 20 to 60 mbar, USA: Adjustable from 20 to 100 cmH ₂ O
Airway pressure (Paw low)	When pressure difference between inspiration and expiration < 5 mbar / cmH ₂ O or when the set pressure level is not reached
Apnea alarm time Tapn	Adjustable from 15 to 60 seconds (not active when using NIV)
Leakage	VTe is approximately 40% lower than VTi
High respiratory rate	Patient breaths at a high spontaneous rate

Operating Conditions

Temperature	Temperature -20 to 50 °C / 14 to 122 °F
Atmospheric pressure	570 to 1200 hPa / 17 to 35 inches mmHg
Relative humidity	5 to 95%
Electromagnetic compatibility EMC	In accordance with ICE/EN 60601-1-2:2001 and ISO 10651-3
Airworthiness	In accordance with RTCA DO - 160D, sections 7, 8 & 21
Mechanical strength	In accordance with MIL STD 810F, method 514.5
Classification according to MDD 93/42/EEC	Class IIb
UMDNS-Code	18-098

* BTPS: Body Temperature, Pressure, Saturated. Measured values referred to the conditions of the patient's lungs, body, temperature 37 °C / 99 °F, ambient pressure, water-vapor saturated gas.

** Indirect measurement of O₂ concentration (calculated from two measured flows).