

Oxylog® 3000

The Oxylog® 3000 offers a sophisticated performance in emergency and transport ventilation - so good it can be used to ventilate critical-care patients in transfer situations. When it comes to transport ventilation performance, it's better to have an Oxylog® 3000.



TECHNICAL DATA

Oxylog 3000 is a time-cycled, volume-constant and pressure-controlled emergency and transport ventilator for patients with a tidal volume starting at 50 mL.

Dimensions of basic unit (W x H x D)	11.10 x 7.24 x 6.89 inch (excluding handle)
Weight of basic unit	Approx. 11.9 lbs (including internal battery)
Gas supply	
Gas supply	From a central gas supply system or from a medical gas cylinder
Supply gas	Medical Oxygen or Medical Air
Supply pressure	39 - 87 PSI / 270 - 600 kPa at 100 L/min
Gas consumption for internal control	0.1 to 0.5 L/min
Operating data	
Ventilation modes	CMV, CMV _{assist+} , SIMV, SIMV/PS, PCV+, PCV+/PS, CPAP, CPAP/PS
Special modes	<ul style="list-style-type: none"> - NIV (Non-invasive (mask)-ventilation with leakage compensation) - Apnea Ventilation (For switching over automatically to volume-controlled mandatory ventilation, if breathing stops)
CPR-mode	Pressure-limited, non-constant-volume ventilation during inspiration time when P _{max} is reached
Ventilation frequency	2 - 60 BPM (SIMV and PCV+); 5 - 10 BPM (CMV); 12 - 60 BPM (Apnea ventilation)
Tidal volume V _T	50 to 2000 mL, BTPS*
Ventilation time ratio I:E (IPPV)	1:4 to 3:1
Inspiration time T _{insp.} (SIMV, PCV+)	0.2 to 10 sec
Inspiratory pressure P _{insp.}	PEEP + 3 to 55 cmH ₂ O
O ₂ concentration	40 to 100%, finely adjustable
PEEP	0 to 20 cmH ₂ O
Trigger sensitivity (flow trigger)	3 to 15 L/min
Pressure support ΔPS	0 to 35 cmH ₂ O (relative to PEEP), rise time adjustable in 3 steps
Max. inspiratory flow	100 L/min (supply pressure > 51 PSI), 80 L/min (supply pressure < 51 PSI)
Measured value display	MV, f, V _{Te} , PEEP, P _{mean} , P _{peak} , P _{plat} , MV _{spn1} , f _{spn1} , O ₂ **
Display	Technology: Electro-luminescence Pixels: 240 * 128, Visible area: 4.25 x 2.20 inch



Oxylog® 3000
Better to have one

Curve display	Pressure curve, flow curve
Power supply	
Input voltage	19 V DC
AC/DC power pack	100 to 240 V AC / 19 V DC
DC/DC converter	10 to 32 V DC / 19 V DC
Battery type	Lithium ion
Operating time (fully charged, "typical" ventilation)	Approx. 4 hours (Lithium ion)
Battery charging time	Approx 5 hours (Lithium ion)
Monitoring	
Supply pressure low	Supply pressure < 39 PSI
Airway pressure (Paw high)	Adjustable from 20 to 100 cmH ₂ O
Airway pressure (Paw low)	When pressure difference between Insp. and Exp. < 5 cmH ₂ O or when the set pressure level is not reached
Apnea alarm time T _{Apnea}	When respiratory activity is no longer detected, adjustable from 15 to 60 sec
Leakage (not in NIV)	V _{Texp.} is approx. 40% lower than V _{TInsp.}
High frequency	Patient breathes at a high spontaneous rate
Operating conditions	
Temperature	-4 to 122 °F
Atmospheric pressure	17 to 35 in. Hg
Rel. humidity	5 to 95%
Electromagnetic compatibility EMC:	In accordance with IEC/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 99 °F, ambient pressure, water-vapour-saturated gas.

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



HEADQUARTERS
 Drägerwerk AG & Co. KGaA
 Moislinger Allee 53–55
 23558 Lübeck, Germany
 www.draeger.com

**REGION EUROPE CENTRAL
 AND EUROPE NORTH**
 Dräger Medical GmbH
 Moislinger Allee 53–55
 23558 Lübeck, Germany
 Tel +49 451 882 0
 Fax +49 451 882 2080
 info@draeger.com

**REGION MIDDLE EAST, AFRICA,
 CENTRAL AND SOUTH AMERICA**
 Dräger Medical GmbH
 Branch Office Dubai
 Dubai Healthcare City, P.O. Box 505108
 Dubai, United Arab Emirates
 Tel + 971 436 24 762
 Fax + 971 436 24 761
 contactuae@draeger.com

REGION NORTH AMERICA
 Draeger Medical, Inc.
 3135 Quarry Road
 Telford, PA 18969-1042, USA
 Tel +1 215 721 5400
 Toll-free +1 800 437 2437
 Fax +1 215 723 5935
 info.usa@draeger.com

REGION EUROPE SOUTH
 Dräger Médical S.A.S.
 Parc de Haute
 Technologie d'Antony 2
 25, rue Georges Besse
 92182 Antony Cedex, France
 Tel +33 1 46 11 56 00
 Fax +33 1 40 96 97 20
 dlmfr-contact@draeger.com

REGION ASIA / PACIFIC
 Draeger Medical
 South East Asia Pte Ltd
 25 International Business Park
 #04-27/29 German Centre
 Singapore 609916, Singapore
 Tel +65 6572 4388
 Fax +65 6572 4399
 asia.pacific@draeger.com

Manufacturer:
 Dräger Medical GmbH
 23542 Lübeck, Germany
 The quality management system at
 Dräger Medical GmbH is certified
 according to ISO 13485, ISO 9001
 and Annex II.3 of Directive 93/42/EEC
 (Medical devices).