

Oxylog 2000 Software 3.n



Helps you master every emergency

10 good reasons why you should choose the Oxylog 2000



1. *You want a ventilator which can be used for the most common ventilation modes and requirements?*



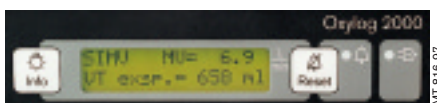
In addition to the classic IPPV mode, the Oxylog 2000 offers SIPPV as well as the spontaneous modes CPAP and SIMV.

2. *You want real-time minute volume monitoring?*



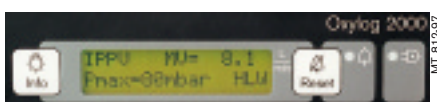
The Oxylog 2000 is the only device in its class to offer a flow sensor positioned close to the patient for monitoring of the minute volume.

3. *You want to be able to set a PEEP or use an infinitely adjustable breath-time ratio without the need for additional accessories?*



The Oxylog 2000 has an integrated PEEP valve which can be infinitely adjusted on the device from 0-15 mbar, and also allows infinite adjustment of the breath-time ratio from 1:3 to 2:1 (IRV).

4. *You want complete integrated real-time airway monitoring?*



The Oxylog 2000 is equipped with an analog airway pressure gauge and 2 LCD display lines which show all important data such as actual frequency, actual tidal volume, plain-text alarms and other parameters.

5. *You want to be able to perform a qualitative CPR without having to sacrifice your high standards?*

The Oxylog 2000 has an integrated CPR mode which limits the P_{max} to 80 mbar, though does not switch to expiration even when the peak pressure is reached (pressure controlled volume non-constant ventilation).

6. *You want a ventilator which can be operated for long periods independently from the mains power?*

The Oxylog 2000 offers up to 6 hours operation completely independently from the mains.



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7. *You want a device with all relevant approvals?*
8. *You want a device which is easy to handle and features self-explanatory operation?*
9. *You want a device which is small and robust?*
10. *You want a reliable partner who offers excellent service?*

Dräger has obtained the following approvals for the Oxylog 2000: CE, MIL, CSA, FDA and RTCA 160 C.

With its clear design and emphasis on essential functions, the Oxylog 2000 ensures optimal handling and safe operation.

The Oxylog 2000 offers both compact dimensions, shock-resistance to 20 G a splashguard, and electronic irradiation protection up to 30/KV.

DrägerService is ready at all times to advise and assist you.

Version 3.n offers the following new functions as compared with the previous version of Oxylog 2000

- SIPPV ventilation mode with controlled breaths synchronized with the inspiratory efforts of the patient (trigger). This may result in the trigger increasing the frequency, though this cannot exceed 50% of the set frequency as in this case a "Frequency high" alarm will be given.
- The P_{max} setting limits the maximum airway pressure to 80 mbar, though inspiration is not interrupted when the peak pressure is reached, but continues without further pressure increase for the duration of the inspiration time (pressure limited, volume non-constant ventilation).
- In SIMV mode the inspiration time was reduced from 2 secs to 1.3 secs. Furthermore, the apnoea alarm in CPAP is given at just 1 litre AMV, thus enabling high quality ventilation of paediatric patients with SIMV.
- In the Oxylog 2000 display line the ventilation mode is shown, as well as the measured end-expiratory minute volume as in previous versions. By pressing the Info key, the additional line can be used to display further parameters such as frequency, VT, depending on the selected mode of ventilation.

Technical data

Dimensions (W x H x D)	215 x 120 x 205 mm (w/o bracket)
Weight	approx. 4.3 kg
Temperature range (operation)	-18 °C to +50 °C
Relative humidity (operation)	30 - 95% RH
Protection type	IP 54 (splash-proof)
Performance data	
Control principle	Time-cycled and volume constant Flow chopper (microprocessor controlled) Spontaneous breathing via integrated demand valve
Ventilation modes	IPPV, SIPPV, SIMV, CPAP
CPR mode	Pressure-limited, volume non-constant ventilation (airway pressure is limited but volume is still applied throughout the inspiration time)
Ventilation frequency	5 to 40 1/min infinitely adjustable
Tidal volume V _T	0.1 to 1.5 L infinitely adjustable
Breath-time ratio	1:3 to 2:1 infinitely adjustable
Inspiratory pressure limitation	20 to 60 mbar infinitely adjustable/from 60 to 80 CPR mode
PEEP	1 to 15 mbar infinitely adjustable
Minute volume (for T _I :T _E = 1:1.5)	1 to 25 L/min
O ₂ concentration	Adjustable between 100 % and 60 %
Response pressure of demand valve	approx. -1 mbar
Maximum delivery	approx. 100 L/min
Synchronization for SIMV	From inspiratory flow > 4 L/min
Flow measurement range	1 to 120 L/min bi-directional
Supply pressure	2.7 to 6.0 bar, O ₂ or AIR
Gas consumption	
Control	approx. 1 L/min
MV (Air Mix)	approx. 50 % of the set MV
MV (No Air Mix)	approx. 100 % of the set MV
Display	
The following parameters can be invoked in the lower display line – depending on the ventilation mode – by pressing the Info key:	
In IPPV/SIPPV	FLOW, PEAK, MEAN, PEEP, T _{insp.} , frequency
In SIMV	FLOW, PEAK, MEAN, PEEP, frequency, V _{t exp.}
In CPAP	CPAP, frequency, V _{t exp.}
Alarms	
Supply press. low	Warning when supply pressure drops below approx. 2.0 bar
Paw high	Set via P _{max} knob. Warning when set value for P _{max} is reached
Paw low	Warning when a pressure difference > 10 mbar is not built up over a time of > 20 s in IPPV or SIMV mode.
Leakage	Warning when the expiratory tidal volume drops below 40 % of the inspiratory tidal volume. The Leakage alarm is not active in CPAP mode.
Apnoea	Warning when the expiratory MV is less than 1 L/min in CPAP mode
Frequency high	Warning when the measured frequency exceeds 50 % of the set frequency in SIPPV mode
Power supply	
Supply voltage	11 to 30 V direct voltage when operated off vehicle electrical system with DC/DC converter or 230 VAC from mains power pack
Internal supply voltage	NiCd rechargeable battery with 7.2 V/1000 mAh or 6 alkaline manganese batteries of type LR6 (mignon)
Operation time with rechargeable battery (5 °C to 50 °C)	Max. 6 hours
Charge time with quick charge	6 hours, then switch to trickle charge

Order list

Oxylog 2000 incl. 1 x ventilation hose set, 1 x ventilation valve, 1 x flow sensor, 1 x 90 degree angled connector, 1 x carrying strap, 1 x Ni/Cd battery pack	8413955
Accessories needed for operation	
Connection for external power supply, 230 V power pack and charger	8412074
or connection cable for vehicle electrical system with DC/DC converter, 11-30 V	8412071
Special accessories	
Device bracket for use in vehicle	8412069
Battery holder (for 6 alkaline batteries/mignon)	1835505
Connection cable for battery holder	8412072
Alkaline mignon battery (6 batteries needed)	1335804

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