Oxylog® 3000 plus
Emergency & Transport Ventilation

Offering high ventilation performance with features such as AutoFlow, integrated capnography and non-invasive Ventilation, the compact and robust Oxylog® 3000 plus helps you transport your patients safely and provides feedback on correctness of intubation and ventilation effectiveness. The Oxylog® 3000 plus gives you confidence to master even the most demanding situations.
Benefits

High confidence during transport

Whether you are transporting critically ill patients in your hospital or in the field, with new features such as AutoFlow, integrated capnography, full paediatric support and enhanced data connectivity, you don't have to compromise on therapy during transport.

Wide range of ventilation modes and AutoFlow®

The Oxylog 3000 plus offers a complete range of volume- and pressure controlled ventilation modes, including VC-CMV, VC-AC, VC-SIMV, Spn-CPAP and PC-BiPAP*. Non-invasive ventilation with sophisticated leak compensation and pressure support is also provided as standard. With the AutoFlow® option, you can provide volume controlled ventilation with minimised peak inspiratory pressure for advanced patient care.

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Integrated capnography

Monitoring patients in the field can be challenging. Available with integrated mainstream CO₂ monitoring, the Oxylog 3000 plus helps you confirm correct intubation and ventilation performance at all times.

Ready for paediatric patients

A specially designed, dedicated paediatric patient circuit with reduced dead space and low compliance is available for use with the Oxylog 3000 plus. This enables you to provide quality ventilation to an even wider range of patients with a single device.

Automatic altitude compensation (BTPS)

Tested for use in fixed and rotary wing aircraft, the Oxylog 3000 plus automatically compensates for altitude, adjusting provided- and measured patient volumes accordingly, eliminating the need for manual calculation and reducing the risk of error.

Dräger user interface and family platform

The Oxylog 3000 plus uses the same intuitive user interface common to most current Dräger products. The select-adjust-confirm operating system facilitates a rapid user familiarization process. Many accessories can be shared between Oxylog® systems. This increases your efficiency and saves you valuable storage space and training time.
Benefits

Advanced data export functionality

With its advanced data export functions, the Oxylog 3000 plus can not only export ventilation parameter data to external monitors and data management systems in real time, but it can also take full advantage of Dräger Remote Service. This innovative concept lets you transfer status information from your Oxylog 3000 plus to DrägerService for analysis. This supports you in increasing equipment up-time.

Accessories

Oxylog Trolley

With the easy-to use functional Oxylog® trolley system intensive care patients can quickly and smoothly be transported throughout the hospital without interrupting therapy.

Allround wallholder

(for use with Carrying System) Order-no. 5704216
Accessories

Alduk III
Order-no. 5704500 (configuration)

AGSS
Order-no. 5704500 (configuration)

Carrying System
This ergonomically designed Carrying System provides an integrated solution for carrying and transporting an Oxylog® 3000 plus or an Oxylog® 2000 plus and an oxygen cylinder with a minimum of effort. The frame is small and light with rounded corners to prevent any discomfort in carrying.
Related Products

**Oxylog® 1000**

The Oxylog® has been the natural choice of emergency care ventilator for more than 25 years. The Oxylog® 1000 is the most compact ventilator in the Oxylog® range.

**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® 3000 plus is a time-cycled, volume-controlled and pressure-controlled emergency and transport ventilator for patients requiring mandatory or assisted ventilation with a tidal volume from 50 mL upwards.

<table>
<thead>
<tr>
<th>Dimensions (W x H x D)</th>
<th>290 x 184 x 175 mm (without handle and protection bracket)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>Approximately 5.8 kg (including internal battery)</td>
</tr>
</tbody>
</table>

**Gas supply**

<table>
<thead>
<tr>
<th>Supply gas</th>
<th>Medical Oxygen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas supply</td>
<td>From a pipeline system or from an O₂ cylinder.</td>
</tr>
<tr>
<td>O₂ service pressure</td>
<td>270 kPa to 600 kPa at 100 L/min</td>
</tr>
<tr>
<td>Gas consumption for internal control</td>
<td>Average 0.5 L/min</td>
</tr>
</tbody>
</table>

**Operating data**

**Ventilation Modes**

VC-CMV, VC-AC, VC-SIMV, SpnCPAP, PC-BIPAP

**Additional settings for ventilation**

- Pressure support: in the ventilation modes VC-SIMV, PC-BIPAP* and SpnCPAP
- Apnoea ventilation: in the ventilation mode SpnCPAP
- AutoFlow (optional): in the ventilation modes VC-CMV, VC-AC and VC-SIMV
- NIV: in the ventilation modes: SpnCPAP (/PS), PC-BIPAP (/PS), VC-CMV /AF, VC-AC /AF and VC-SIMV/AF

**Special procedures**

- Inspiration hold
- O₂ inhalation (optional), with an inhalation mask
- 100% O₂

**Options**

- Integrated mainstream CO₂ measurement (**)
- Real time data export via RS232, MEDIBUS protocol (**)
- AutoFlow: volume targeted - pressure controlled ventilation (**)

**CPR-behavior**

Pressure-limited, non-constant-volume ventilation during inspiration time when Pmax is reached

**Ventilation Respiratory Rate**

- 2 to 60 /min (VC-SIMV, PC-BIPAP)
- 5 to 60 /min (VC-CMV, VC-AC)
- 12 to 60 /min for apnoea ventilation

**Tidal volume VT**

- 0.05 to 2.0 L; BTPS****

**Ti / I:E**

- I:E or Ti configurable, for all ventilation modes

**Inspiration time Ti**

- 0.2 to 10 s

**Inspiratory pressure Pinsp**

- PEEP +3 to +55 mbar
- O₂ concentration 40 to 100 Vol.% (****)

**PEEP / CPAP**

- 0 to 20 mbar

**Trigger sensitivity (flow trigger)**

- 1 to 15 L/min

**Pressure support ΔPsupp**

- 0 to 35 mbar (relative to PEEP)

**Slope (pressure rise time)**

- Slow, standard, fast

**Max. inspiratory flow**

- 100 L/min @ supply pressures > 350 kPa / 51 PSI;
- 80 L/min @ supply pressures < 350 kPa / 51 PSI;
- 39 L/min @ supply pressures <270 kPa / 39 PSI

**Displayed measured values**

- MVe, FiO₂, RR, VT, PEEP, Pmean, PIP, Pplat, MVesp, RRsp, eCO₂

**Display type**

- Technology Electro-luminescence (EL)
- Pixels 240 x 128
- Visible area 108 x 56 mm

**Curve display**

- Airway pressure Paw curve, flow curve, CO₂ curve (optional)
**Technical Data**

### Patient hose types
- Reusable adult hose (1,5m / 3m),
- Disposable adult hose (1,5m / 3m),
- Disposable pediatric hose (1,9m)

### Power supply

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxylog 3000 plus input voltage</td>
<td>24 V ±6 VDC</td>
</tr>
<tr>
<td>Input voltage AC/DC power pack</td>
<td>100 to 240 V~/ 50 to 60 Hz / 0.9to0.4 A~</td>
</tr>
<tr>
<td>Input voltage DC/DC converter</td>
<td>12 / 24 / 28 VDC; 5 A / 2.5 A / 2.1 A</td>
</tr>
<tr>
<td>Battery type</td>
<td>Lithium ion battery</td>
</tr>
<tr>
<td>Operating time (fully charged, 'typical ventilation)</td>
<td>Approximately 4 hours</td>
</tr>
<tr>
<td>Battery charging time</td>
<td>Approximately 5 hours</td>
</tr>
</tbody>
</table>

### Main alarms

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airway pressure (Paw) high</td>
<td>Adjustable from 20 to 60</td>
</tr>
<tr>
<td>Airway pressure (Paw) low</td>
<td>When pressure difference between Inspr. and Exp. &lt; 5 mbar or when the set pressure level is not reached</td>
</tr>
<tr>
<td>Apnea back-up ventilation</td>
<td>When respiratory activity is no longer detected, adjustable time from 15 to 60 s</td>
</tr>
<tr>
<td>Leakage</td>
<td>VTe. is approx. 40% lower than VTi (not applicable in NIV)</td>
</tr>
<tr>
<td>High Respiratory Rate</td>
<td>Patient breathes at a high spontaneous rate</td>
</tr>
<tr>
<td>etCO₂ high/ low</td>
<td>When the alarm limits for end-expiratory CO₂ concentration have been exceeded.</td>
</tr>
<tr>
<td>MVe high/ low</td>
<td>When the alarm limits for expiratory minute volume have been exceeded.</td>
</tr>
<tr>
<td>Incorrect patient hose</td>
<td>Ventilator detects if incorrect patient hose type is connected</td>
</tr>
<tr>
<td>Supply pressure low</td>
<td>Supply pressure &lt; 270 kPa</td>
</tr>
</tbody>
</table>

### Operating Conditions

<table>
<thead>
<tr>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Temperature range</td>
<td>~20 to +50 °C for basic device</td>
</tr>
<tr>
<td>Temperature range for CO₂ sensor</td>
<td>+10 to +40 °C</td>
</tr>
<tr>
<td>Atmospheric pressure</td>
<td>570 to 1200 hPa for basic device</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>5 to 95 % (no condensation)</td>
</tr>
<tr>
<td>Electromagnetic compatibility (EMC)</td>
<td>In accordance with IEC/EN 60601-1-2:2007, EN 794-3 and ISO 10651-3</td>
</tr>
<tr>
<td>Airworthiness</td>
<td>In accordance with RTCA DO-160F, sections 7, 8, 16.6, 18.3.1, 17, 19.31, 20, 21, 25</td>
</tr>
<tr>
<td>Mechanical strength</td>
<td>In accordance with MIL STD 810F, method 514.5</td>
</tr>
<tr>
<td>Classification according to MDD 93/42/EEC</td>
<td>Class IIb</td>
</tr>
<tr>
<td>UMDNS-Code</td>
<td>18-098</td>
</tr>
</tbody>
</table>

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** Options can be purchased during the initial ordering process or as future upgrades.

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

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