Option CapnoPlus*/CO₂**

The CapnoPlus/CO₂ option provides CO₂ mainstream measurement for ventilated patients and is designed for use with Evita Infinity® V500, Evita V300, Evita XL, Evita 4 edition, Evita 2 dura und Savina 300

Your benefits with CO₂ mainstream measurement:
- quick and easy non-invasive CO₂ measurement\(^1\)
- display of CO₂ values as end tidal CO₂ concentration and continuous CO₂ curves
- values such as CO₂ production (VCO₂), dead space (Vds) and the pulmonary dead space fraction (Vds/Vte) are also available

CO₂ AND CO₂ MEASUREMENT
Within the expiration phase, CO₂ is one of the most important parameters, providing valuable information on the efficacy of ventilation, gas exchange and metabolism.\(^2\)

Therefore, continuous monitoring of CO₂ concentrations can serve as an early warning system with regard to changes in the acuity level of critically ill patients.\(^3\)

The mainstream infrared absorption measurement of CO₂ directly at the Y-piece provides reliable data which are displayed in real time on the ventilator screen.

WHY CAPNOPLUS/CO₂?
CapnoPlus/CO₂ offers more than just CO₂ measurement.
- display capnometry and capnography simultaneously, together with other patient parameters such as flow, volume/pressure curves and data\(^4\)\(^5\)
- enhance patient safety with individually adjustable CO₂ alarm settings and optimized ventilation management
- obtain accurate measurements via the CapnoSmart sensor even under challenging conditions, such as during active circuit humidification
- avoid gas leakage and resulting misrepresentation of ventilation settings
- rapidly verify patient CO₂ values with direct sensor control via the reference filter
- perform zero calibration at the parc holder without disconnecting the patient from the ventilator
- combine CapnoPlus/CO₂ with optional mask ventilation (NIV/NIVplus) for real time CO₂ monitoring even during NIV
- take full advantage of the automated weaning protocol SmartCare®/PS for Evita Infinity V500, Evita V300 and Evita XL when you choose the CapnoPlus option

\(^1\) Bongard F, Sue D.: Pulse oximetry and capnography in intensive and transitional care units. West J. Med. 1992 Jan; 156(1); 57-64
\(^3\) St. John RE.: End-tidal carbon dioxide monitoring Crit Care Nurs Vol 23, No. 4, August 2003; 83-88
\(^4\) AARC Guideline: Capnography/Capnometry during Mechanical Ventilation-2003 revision and update: Respiratory Care, May 2003 Vol. 48 No. 5
\(^6\) Depending on ambient and ventilation pressure, the actual upper value, when indicated in Vol.%, can be lower than the upper value displayed.
\(^7\) STPD: Standard Temperature, Pressure, Dry. Measured values based on standardized physical conditions: 0 °C (32 °F), 1013 hPa, dry gas
CO₂ ACCESSORIES
– For the CapnoPlus option, Dräger offers reusable as well as disposable CO₂ cuvettes for adult and pediatric patients

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Option CapnoPlus/CO₂</th>
<th>CO₂ measurement in main flow</th>
<th>End-expiratory CO₂ concentration (etCO₂)</th>
<th>CO₂ production (VCO₂)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CapnoPlus – option</td>
<td>CO₂ measurement in main flow</td>
<td>Range 0 to 100 mmHg, or 0 to 15 Vol.% ⁶, or 0 to 13.3 kPa</td>
<td>Capnometry and capnography</td>
</tr>
<tr>
<td>CapnoPlus – retrofit kit</td>
<td>order via Evita product configuration</td>
<td>order no. 84 14 240</td>
<td>order no. 84 14 150</td>
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<tr>
<td>CO₂ monitoring – option</td>
<td>order via Evita product configuration</td>
<td>order no. 84 16 200</td>
<td>order no. 84 20 420</td>
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<tr>
<td>CO₂ monitoring – retrofit kit</td>
<td>order via Evita Infinity V500 product configuration</td>
<td>order no. 84 16 150</td>
<td>order no. 84 16 190</td>
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<tr>
<td>CO₂ monitoring – option</td>
<td>order via Evita V300 product configuration</td>
<td>order no. 84 20 420</td>
<td>order no. 84 20 420</td>
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<tr>
<td>CO₂ monitoring – retrofit kit</td>
<td>order via Savina 300 product configuration</td>
<td>order no. 84 30 420</td>
<td>order no. 84 30 420</td>
</tr>
</tbody>
</table>

ORDER INFORMATION

| FROM LEFT TO RIGHT: Disposable CO₂ cuvette, pediatric Disposable CO₂ cuvette, adults Reusable CO₂ cuvette, pediatric Reusable CO₂ cuvette, adults |

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