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
- 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

**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
- 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 parclholder 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

**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.

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.

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.

1) Bongard F, Sue D.: Pulse oximetry and capnography in intensive and transitional care units. West J. Med. 1992 Jan; 156(1); 57-64
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

* Evita XL, Evita 4 edition, Evita 2 dura
** Evita Infinity V500, Evita V300, Savina 300
CO₂ ACCESSORIES

- For the CapnoPlus option, Dräger offers reusable as well as disposable CO₂ cuvettes for adult and pediatric patients

- The patented design of the disposable CO₂ cuvette delivers the same performance as the reusable type, but without the additional cost of time consuming sterilization protocols.

TECHNICAL DATA

Option CapnoPlus/CO₂
CO₂ measurement in main flow
End-expiratory CO₂ concentration (etCO₂) Range 0 to 100 mmHg, or 0 to 15 Vol.% ⁸, or 0 to 13.3 kPa
CO₂ production (VCO₂) Range 0 to 999 mL/min, STPD ⁷
Monitoring Capnometry and capnography

ORDER INFORMATION

CapnoPlus – option order via Evita product configuration
CapnoPlus – retrofit kit order no. 84 14 240
CO₂ monitoring – option order via Evita Infinity V500 product configuration
CO₂ monitoring – retrofit kit order no. 84 16 200
CO₂ monitoring – option order via Evita V300 product configuration
CO₂ monitoring – retrofit kit order no. 84 20 420
CO₂ monitoring – option order via Savina 300 product configuration
CO₂ monitoring – retrofit kit order no. 84 14 150

Mainstream CO₂ sensor for Evita Infinity V500, Evita V300, Savina 300

Mainstream CO₂ sensor for Evita XL, Evita 4 edition, Evita 2 dura

From left to right:
Disposable CO₂ cuvette, pediatric
Disposable CO₂ cuvette, adults
Reusable CO₂ cuvette, pediatric
Reusable CO₂ cuvette, adults