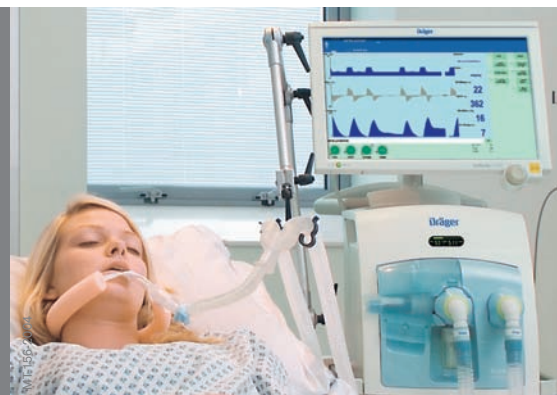


Option CapnoPlus

Dräger Evita Infinity® V500
Evita XL
Evita 4 edition
Evita 2 dura



The CapnoPlus option provides CO₂ mainstream measurement for ventilated patients and is designed for use with all Evita ventilators.

Your benefits:

- Quick and easy non-invasive CO₂ measurement¹⁾.
- Display of CO₂ values as end tidal CO₂ concentration and a capnogram.
- Values such as CO₂ production (VCO₂), dead space (V_{ds}) and the pulmonary dead space fraction (V_{ds}/V_{te}) are also available.

CO₂ MEASUREMENT

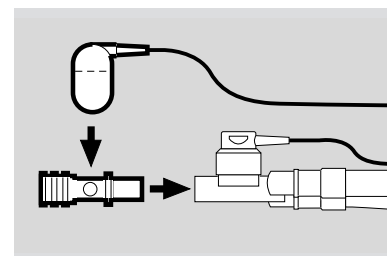
Within the exhalation phase, CO₂ is one of the most important parameters, providing valuable information on the efficacy of ventilation, gas exchange, and metabolism.²⁾ Therefore, continuous monitoring of CO₂ concentrations can serve as an early warning system with regard to changes in the acuity level 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 user-interface screen.

WHY CAPNOPLUS?

CapnoPlus offers an array of CO₂ measurements.

- Display capnometry and capnography simultaneously, together with other patient parameters such as flow, volume/pressure waveforms and data.⁴⁾
- Enhance patient safety with individually adjustable CO₂ alarm settings and optimize ventilation management.
- Detect and potentially avoid gas leakage through interpretation of the capnogram.
- Rapidly verify patient CO₂ values with direct sensor control via the reference filter.
- Perform zero calibration at the parking holder without disconnecting the patient from the ventilator.



CO₂ measurement directly at the Y-piece

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

2) St. John RE.: Exhaled gas analysis: technical and clinical aspects of capnography and oxygen consumption. Crit Care Nurs Clin N Am. 1989; 20:363-374

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

5) Behende et al.: Validity of a disposable and end-tidal CO₂ detection in verifying endotracheal tube placement in infants and children. Ann Erg Med 1992 31:142-5

- Combine CapnoPlus with optional mask ventilation (NIV/NIVplus) for real time CO₂ monitoring even during non-invasive ventilation.
- Take full advantage of the automated weaning protocol upgrade - Smart Care®/PS when you choose the CapnoPlus option.

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 style without the additional cost of time-consuming sterilization protocols.

TECHNICAL DATA

Option CapnoPlus

CO ₂ measurement in main flow	
End-expiratory CO ₂ concentration (etCO ₂)	Range 0 to 100 mmHg, or 0 to 15 Vol.% ⁶⁾ , or 0 to 13.3 kPa
CO ₂ production (VCO ₂)	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

6) Dependent upon 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



MT-0986-2007

Dräger mainstream CO₂ sensor continuously measures etCO₂



D-7062-2009

CO₂ cuvette, reusable, adults



D-7060-2009

CO₂ cuvette, reusable, pediatric



D-7059-2009

CO₂ cuvette, disposable, adults



D-7061-2009

CO₂ cuvette, disposable, pediatric

HEADQUARTERS

Drägerwerk AG & Co. KG
 Moisinger Allee 53–55
 23558 Lübeck, Germany

www.draeger.com

CANADA

Draeger Medical Canada, Inc.
 120 East Beaver Creek Road Suite 104
 Richmond Hill Ontario L4B 4V1
 Tel +1 905 763 3702
 Toll-free +1 866 343 2273
 Fax +1 905 763 1890
 Canada.Support@draeger.com

USA

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