

Infinity® etCO₂ Module

The Infinity® etCO₂ module provides mainstream and sidestream measuring capabilities, enabling you to monitor adult, pediatric and neonatal* patients with the same unit. The module uses a lightweight, reusable sensor and non-dispersive infrared technology to measure end-tidal (expired) CO₂ in respiratory gases – giving you a highly accurate patient monitoring tool. For convenience, the module clips onto the back of the monitor and is powered directly by the monitor.

Features:

- Provides both mainstream and sidestream etCO₂ measurement capabilities in the same unit
- Supports adult, pediatric and neonatal* patients
- Attaches to the back of the Infinity monitor and is powered by the monitor

Note: For use with Infinity Delta, Delta XL, Gamma X XL, Vista XL monitors only.

Measuring Capabilities

Displayed parameters	etCO ₂ , iCO ₂ , respiration rate (RRc)
Measuring method	Dual-wavelength, non-dispersive infrared
Measuring capabilities	Mainstream and sidestream*
Measuring range	0 to 99 mmHg CO ₂ partial pressure
Warm up	≤ 5 min (at 25°C)
Sampling flow rate	180 mL/min ±12 mL/min (sidestream measuring mode)
Calibration	Verify once a day: calibrate if sensor is moved from one module to another
Calibration time	< 20 sec

Accuracy

0 to 40 mmHg	±2 mmHg
41 to 70 mmHg	±5% of reading
71 to 99 mmHg	±8% of reading

* Neonatal monitoring with mainstream configuration only



Respiration

Measuring range	0 to 149 breaths/min (mainstream) 0 to 69 breaths/min (sidestream)
Accuracy	±1 breaths/min

Compensation

O ₂ /N ₂ O balance	User-selectable
Atmospheric pressure	Automatic or user-selectable, 540 to 800 mmHg
Alarms	User-selectable upper alarm limit settings for etCO ₂ , iCO ₂ and respiration rate; user-selectable lower alarm limit settings for etCO ₂ and respiration rate

Product Specifications

Connectors	Sensor connector, female luer sidestream sampling port, male luer sample exhaust port
Airway adapter dead space	Adult/Pediatric: < 5.0cc Neonatal: < 0.5cc
Moisture resistance	Airway adapter can be immersed in water without damage
Power source	Powered directly from monitor

Dimensions

Module	150 x 93 x 65 mm (5.9 x 3.6 x 2.6 in.)
Capnostat® sensor	33 x 42 x 22 mm (1.3 x 1.7 x 0.9 in.)

Weight

Module	0.5 kg (1.1 lb)
Sensor	18 g (0.63 oz)

Note: Sensor size/weight excludes cable

Environmental Requirements

Temperature range	Operating: 10 °C to 40 °C (50 °F to 104 °F) Storage: -20 °C to 50 °C (-4 °F to 122 °F)
Relative humidity	Operating: 20% to 90%, non-condensing Storage: 10% to 95% (with packaging)
Atmospheric pressure	Operating: 525 to 795 mmHg (70 to 106 kPa) Storage: 375 to 795 mmHg (50 to 106 kPa)

Ordering information

etCO ₂ module	4319310
etCO ₂ Capnostat® III Sensor	4322975

Used for continuous sidestream measuring of adults and children, when used with sidestream adapter 4714437

Mainstream Accessories

etCO ₂ airway adapter, neonatal	4721788
etCO ₂ airway adapter, adult/pediatric	4721796

Sidestream Accessories

etCO ₂ S-cannula, pediatric, 10 pcs	4714387
etCO ₂ S-cannula, adult, 10 pcs	4714395
etCO ₂ Nafion tubing, 10 pcs	4714429
etCO ₂ sidestream airway adapter, 10 pcs	4714437

Standards

Operational Shock: IEC68-2-2750G Peak, half sine, 11msec
Sinusoidal Vibration IEC68-2-6, 2G Peak

Capnostat is a registered trademark of Respirationics

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The quality management system at Draeger Medical Systems, Inc. is certified according to ISO 13485, ISO 9001 and Annex II of Directive 93/42/EEC (Medical devices).