

Single-width Airway Module, E-miniC

For compact CO₂ sidestream respiratory monitoring

Features

- CO₂ side stream measurement done at the patient's airway
- Very small and reliable measurement technology
- Inspired and end-tidal CO₂ values displayed on the screen as waveforms and in numerical format
- Full numerical and graphical trends of all measured data
- Measurement of respiration rate up to 80 breaths per minute
- Fast response time
- Wide measurement range for Co₂
- Adjustable high and low alarm limits for EtCO₂ and FiCO₂
- Manual adjustment for N₂O and O₂ allowed for improved CO₂ measurement accuracy
- Accommodates water separation system which is lightweight and has good tolerance for tilting



For more information, contact us at:

Toll free numbers: 1800 102 7750
1800 425 7255
1800 425 8025

SMS: 9223010101

Email: gehealthcareservices@ge.com

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JB56325IN

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The E-miniC Module is a single-width, plug-in module. The module is intended for use for patients weighing over 5 kg (11 lb) only.

Technical specifications

General

Sampling rate 150 ±25 ml/min
Displayed values updated breath by breath
Manual O₂ and N₂O compensation allowed to improve CO₂ measurement accuracy

- When manual O₂ compensation is not activated (O₂ concentration 40% to 95%), CO₂ reading decreases <0.3 vol%
- When the manual compensation for O₂ is activated (O₂ concentration 40 to 95%), the error in the CO₂ reading is < 0.15 vol%
- When manual N₂O compensation is not activated (N₂O concentration 40 to 80%), CO₂ reading increases < 0.8 vol%
- When the manual compensation for N₂O is activated (N₂O concentration 40 to 80%), the error in the CO₂ reading is < 0.3 vol%

Non-disturbing gases

Ethanol, acetone, methane, nitrogen, water vapor:
Effect on readings at 5.0 vol%: < 0.2 vol% (max)

Carbon dioxide (CO₂)

EtCO ₂	End-tidal CO ₂ concentration
FiCO ₂	Inspired CO ₂ concentration
Measurement range	0 to 20 vol% (0 to 20 kPa, 0 to 150 mmHg)
	CO ₂ concentration 0 to 15 vol%
Accuracy	±(0.2 vol% + 2 % of reading)
	CO ₂ concentration 15 to 20 vol%
	±(0.7 vol% + 2 % of reading)
Rise time	< 300 ms with nominal flow

Adjustable low and high limits for EtCO₂ or FiCO₂

Respiration rate (RR)

Measurement range	4 to 80 breaths/min
Breath detection	1% variation in CO ₂ level
Accuracy	±1/min in the range 4 to 20 breaths/min ±5% in the range 20 to 80 breaths/min
Resolution	1/min

Adjustable low and high limits for respiration rate; alarm for apnea

Monitor compatibility

CARESCAPE modular monitors
B40 Patient Monitor
AS/3, CS/3 and S/5 modular monitors using software
L-ANE02(A), L-ICU02(A) or later versions

Performance specifications

Functional alarms	Blocked sample line, water trap replacement, water trap check, low gas sample flow
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Environmental specifications

Operating conditions

Temperature	10 to 40°C (50 to 104°F)
Relative humidity	10 to 95% non-condensing
Atmospheric pressure variation	500 to 800 mmHG (666 to 1060 mbar)

Storage conditions

Temperature	-25 to 70°C (-13 to 158°F)
Relative humidity	10 to 95% non-condensing

Physical specifications

Dimensions (H x W x D)	11.2 x 3.7 x 20.9 cm (4.4 x 1.5 x 8.2 in)
Module weight	0.4 kg (0.9 lb)

Warranty

One year