

M3B**EDAN****M3B**

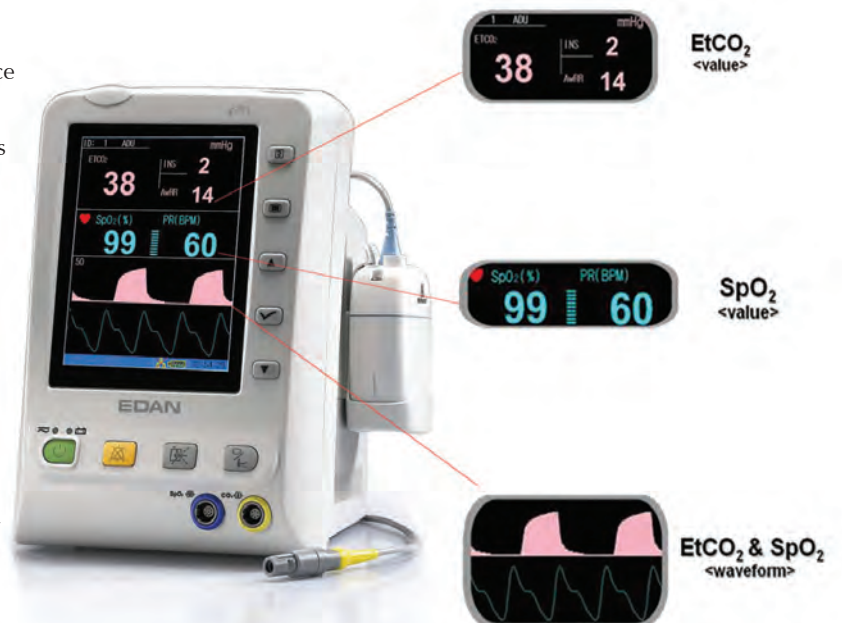
M3B

Capnograph Monitor

M3B (SpO₂+CO₂):

With SpO₂ (Nellcor optional) and Respiration CO₂ highly advanced monitoring technologies, EDAN M3B ensures effective capnography monitoring for intubated and non-intubated patients for continuous long-term monitoring. It is tailored for mechanically ventilated and non-intubated patients.

- 5.7 inch high resolution display for easy reading
- Lightweight, portable design and user-friendly interface for easy operation
- Flexible configurations to meet different clinical needs
- Nellcor Oximax™ / EDAN SpO₂
- PR measurement
- Respiration Loflo™ sidestream and CAPNOSTAT® 5 ETCO₂ mainstream measurement(M3B)
- Real-time parameters measurement display with trend table for easy reviewing
- Built-in rechargeable Lithium-ion battery for 10 hours continuous working
- Powerful storage capacity
- Bi-directional communications with central station by wired or wireless network
- Nurse call
- Suitable for adult, pediatric and neonatal patients



Mainstream:
No need to calibrate at a regular basis
Suitable for any traditional breathing machine
Short warm-up time



M3B

Capnograph Monitor



Classification

Anti-electroshock type Class I equipment and internal powered equipment
 EMC type Class A
 Anti-electroshock degree
 SpO₂; BF Defibrillation type; TEMP; CF type.
 Ingress Protection IPX1(W/O Temp module)
 IPX0 (with Temp module)

Specifications

Size and Weight

Size 200.8mm(L)×41mm(H)×89mm(D)
 Weight 3kg

Display

5.7 inch, LCD
 Color TFT resolution: 640×80

Power Supply

100-240 VAC, 50/60Hz
 Pmax=70VA FUSE T 1.6AL

Battery

Type: Lithium-ion
 Voltage: 14.8 V DC Capacitance: 4,400 mAh
 Working period

Color TFT: 480mm
 Rechargeable period < 360min

Recorder (Optional)

Built-in thermal array 3 channels
 Record Width 48 mm
 Paper Speed 25mm/s

SpO₂ (EDAN)

Measuring Range 0 ~ 100 %
 Alarm Range 0 ~ 100 %
 Resolution 1 %
 Accuracy
 Adult (including Pediatric)
 ±2% (70%~100% SpO₂)
 Undefined(0%~70% SpO₂)
 Neonate
 ±3% (70%~100% SpO₂)
 Undefined(0%~70% SpO₂)

Pulse Rate
 Measuring and Alarm Range 30 ~ 300bpm
 Resolution 1bpm
 Accuracy ±3bpm
 Data update period 2s
 ISO 9919

SpO₂ (optional, by Nellcor OxiMax)

Measuring Range 1~100%
 Alarm Range 1~100%
 Resolution 1%

Accuracy

Adult (including Pediatric)
 ±2% (70%~100% SpO₂)
 Undefined(0%~70% SpO₂)
 Neonate
 ±3% (70%~100% SpO₂)
 Undefined(0%~70% SpO₂)

Pulse Rate

Measuring and Alarm Range
 20~300bpm
 Resolution 1bpm
 Accuracy ±3bpm

Respirics CO₂

Mainstream

CO₂ Measurement Range
 0 to 150 mm Hg,
 0 to 19.7%, 0 to 20 kPa(at
 760 mm Hg)
 Rise Time Less than 60 ms Adult / infant
 Reusable or Single Patient Use
 Airway Adapter
 CO₂ Resolution 0.1 mm Hg 0 to 69 mm Hg
 0.25 mm Hg 70 to 150 mm Hg
 CO₂ Accuracy 0 -40 mm Hg ±2 mm Hg
 41 -70 mm Hg ±5% of reading
 71 -100 mm Hg ±8% of reading
 101-150 mm Hg ±10% of reading
 Above 80bpm ±12% of reading
 CO₂ Stability Short Term Drift: Drift over
 four hours shall not exceed 0.8 mm
 Hg max. Long Term Drift: Accuracy
 specification will be maintained over
 a 120-hour period.
 Respiration Rate Accuracy ±1 breath
 Calibration No routine user calibration required.
 An airway adapter zero is required
 when changing to a different style of
 airway adapter

Water Resistance

IPX4-Splash-proof (sensor head only)
 Shock Impact EN60068-2-6 Sinusoidal Vibration
 EN60068-2-27 Shock
 EN60068-2-64 Random Vibration
 Able to withstand repeated 6-foot
 drops onto tiled floor while operating.

Sidestream

Sample Rate 50 mL/min
 CO₂ Measurement Range

0 to 150 mm Hg, 0 to 19.7%, 0 to 20 kPa
 (at 760 mm Hg). Barometric
 Pressure supplied by Host

CO₂ Resolution 0.1 mm Hg 0 to 69 mm Hg
 0.25 mm Hg 70 to 150 mm Hg
 CO₂ Accuracy 0 -40 mm Hg ±2 mm Hg
 41-70 mm Hg ±5% of reading
 71 -100 mm Hg ±8% of reading
 101 -150 mm Hg ±10% of reading
 Above 80 bpm ±12% of reading
 CO₂ Stability Short Term Drift: Drift over four hours shall
 not exceed 0.8 mm Hg max. Long Term
 Drift: Accuracy specification will be
 maintained over a 120-hour period

Respiratory Rate Range

2 to 150bpm
 Respiratory Rate Accuracy ±1 breath
 Sample Cell/Filter

Proprietary single patient use sample cell
 and inline filter are integrated with the
 sample line which eliminates contamination
 of the internal system

Nasal Sampling Kits for Non-intubated Patients

Adult, pediatric and infant nasal CO₂
 sampling, nasal CO sampling and O₂
 delivery Adult and pediatric nasal/oral
 CO sampling, nasal/oral CO₂ sampling
 and O₂ delivery

On-Airway Adapter KITS for Intubated Patients

Adult/Pediatric with and without dehumidification
 tubing Pediatric/Infant, low deadspace,
 with and without dehumidification tubing
 Taper meets ISO 356-1

Sample Kit Hours of Use

Nasal Cannula (all styles) -up to 2 hours
 On-Airway Adapter Kits without dehumidification
 tubing -up to 12 hours

Sample Cell Detection

Insertion automatically turns sampling pump
 on. Removal automatically turns sampling pump off.

Water Resistance IPX4 -Splash-proof (When sample cell is
 inserted in sample cell receptacle)

Shock Impact IEC TR 60721-4-7 Class 7M3 (designed
 to withstand environments subjected to
 significant vibrations or high shock levels)
 EN60068-2-27 Shock
 EN60068-2-64 Random vibration

Picture	Model	Option	Application
	M3B (SpO ₂ +Respirics Mainstream CO ₂)	Thermal Recorder Wall Mount Rolling Stand Bedrail Clamp	Non-intubated patient (sidestream) Intubated patient (mainstream) Post-Anesthesia care unit Recovery Room Emergency Room
	M3B (SpO ₂ +Respirics Mainstream CO ₂)	Nellcor OxiMax™ SpO ₂ Thermal Recorder Wall Mount Rolling Stand Bedrail Clamp	



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