

M3B**EDAN****M3**

M3 Series

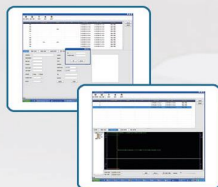
Vital Signs Monitors

M3 (SpO₂+NIBP+Fast TEMP / SpO₂+NIBP / NIBP+Fast TEMP / SpO₂ only / NIBP only) & M3B (CO₂+SpO₂): EDAN M3 Series Vital Signs Monitor has made its mark in out-patient department and doctors' office for its accuracy, durability and cost-effectiveness by SpO₂ ,NIBP ,Fast TEMP and CO₂ monitoring . Its affordable price and multi-parameter functionality address vital signs monitoring needs.

- 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
- Fast Temp thermometer to obtain temperature in approximately 15 seconds
- PR measurement (from SpO₂/ NIBP)
- Respirationics 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



Quick, accurate and easy to use



Real-time data or USB data can be transferred to a PC through PC management software to review and print



Respirationics LoFlo™ sidestream and CAPNOSTAT® 5 ETCO₂ mainstream measurement for intubated and non-intubated patients (M3B)



Powerful storage capacity: 72 hours trend review of all parameters, 30,000 sets NIBP review 800 items alarm review and USB data storage

M3 Series

Vital Signs Monitors



Classification

Anti-electroshock type Class I equipment
and internal powered equipment
EMC type Class A
Anti-electroshock degree
SpO₂, NIBP: BF Defibrillation type; TEMP: CF type.
Ingress Protection IPX1 (No protection against
ingress of water if configured with TEMP module)

Specifications

Size and Weight

Size 200.8mm (L) x 241mm (H) x 189 mm (D)

Weight 3.07 kg

Display

5.7 inches, LCD

Blue LCD resolution: 320x240,

Color TFT resolution: 640X480

Power Supply

100-240 VAC, 50/60Hz

P_{max}=70VA FUSE T 1.6AL

Battery

Type: Lithium

Voltage: 14.8 V DC Capacitance: 4,400 mAh

Working period Blue LCD: 600min

Color TFT: 480min

Rechargeable period < 360min

Recorder (Optional)

Record Width 48 mm

Paper Speed 25mm/s

NIBP (M3 only)

Method Oscillometric

Mode Manual, Auto, Continuous

Measuring Interval in AUTO Mode

1/2/3/4/5/10/15/30/60/90/120/240/480 Min

Continuous 5min, interval is 5s

Measuring Type Systolic Pressure,
Diastolic Pressure, Mean Pressure

Measuring Rang

Adult Mode

SYS 40~270mmHg

DIA 10~215mmHg

MAP 20~235mmHg

Pediatric Mode

SYS 40~200mmHg

DIA 10~150mmHg

MAP 20~165mmHg

Neonatal Mode

SYS 40~135mmHg

DIA 10~100mmHg

MAP 20~110mmHg

Cuff Pressure measuring Range 0~290mmHg

Pressure Resolution 1mmHg

Maximum mean error 5mmHg

Maximum Standard deviation 8mmHg

Entire Measuring Period 30~45s typical
(depend on HR/motion disturbance)

Overpressure protection

Dual Overpressure protection

Adult 297±3mmHg

Pediatric 240±3mmHg

Neonatal 145±3mmHg

PR

Measuring Range 40~240 bpm

Resolution 1 bpm

Accuracy ±3 bpm or 3.5% of
the maximum

SpO₂ (M3 and M3B)

Measuring Range 0 ~ 100 %

Alarm Range 0 ~ 100 %

Resolution 1 %

Accuracy

Adult (including Pediatric)

±2 digits (70%~100% SpO₂)

Undefined (0~70% SpO₂)

Neonate ±3 digits (70%~100% SpO₂)

Undefined (0~70% SpO₂)

Pulse Rate

Measuring and Alarm Range 30 ~ 254 bpm

Resolution 1 bpm

Accuracy ± 3bpm

Data update period 2s

Nellcor module (optional)

Measuring Range 1 ~ 100 %

Alarm Range 1 ~ 100 %

Resolution 1 %

Accuracy

Adult and Low-perfusion

±2 digits (70%~100% SpO₂)

Undefined (0~70% SpO₂)

Neonate ±3 digits (70%~100% SpO₂)

Undefined (0~70% SpO₂)

Pulse Rate

Measuring and Alarm Range 20~300bpm

Resolution 1bpm

Accuracy ±3 bpm

Fast Temperature

Measuring Range 25°C ~ 45°C

Probe Type Oral/Axillary temperature,
Rectal temperature

Resolution 0.1°C

Accuracy Monitor mode: ±0.1°C

Typical measurement time <15s

Update time 1s ~ 2s

Respironics CO₂ (M3B only)

Method Infra-red Absorption Technique

Measuring mode Sidestream, Mainstream

Measuring range

CO₂ 0 ~ 99 mmHg

INSCO₂ 0 ~ 99mmHg

AwRR 0 ~ 150 rpm

Resolution

CO₂ 1 mmHg

INSCO₂ 1mmHg

AwRR 1 rpm

Accuracy

CO₂ ± 2 mmHg, 0 ~ 40 mmHg

Reading ± 8%, 41 ~ 76 mmHg

Reading ±10%, 77 ~ 99 mmHg

AwRR ± 2 rpm

Alarm range

CO₂ ADU 1 ~ 100 mmHg

PED 1 ~ 100 mmHg

NEO 1 ~ 100 mmHg

InsCO₂ ALM HI 100 mmHg

AwRR ADU 0 ~ 150 rpm

PED 0 ~ 150 rpm

NEO 0 ~ 150 rpm

Suffocation Alarm Delay

AwRR 10 ~ 40 seconds

Response time <3 seconds, includes

transport time, rise time

Calculation Method BTPS

(Body Temperature Pressure Saturated)

Stability

Short Term Drift: <0.8 mmHg (drift for 4 hours)

Long Term Drift: Accuracy maintains over

120 hours

O₂ Compensation

Range 0 to 100%

Resolution 1%

Default 16%

N₂O Compensation

Range 0 (off) or 1 (on)

Default Off

Configuration	Blue LCD	Color TFT	SpO ₂	NIBP	Fast TEMP	CO ₂
M3 (SpO ₂ only)	Optional	Optional	Yes	No	No	No
M3 (NIBP only)	Optional	Optional	No	Yes	No	No
M3 (NIBP+Fast TEMP)	No	Yes	No	Yes	Yes	No
M3 (SpO ₂ +NIBP)	Optional	Optional	Yes	Yes	No	No
M3 (SpO ₂ +NIBP+Fast TEMP)	No	Yes	Yes	Yes	Yes	No
M3B (SpO ₂ +CO ₂)	Optional	Optional	Yes	No	No	Yes



Илан Медицинска Апаратура ООД

гр. Варна, ул. Кирил Шиваров 9 Б

тел. **0700 17373**

факс 052 612258

e-mail: office@ilan-bg.com

www.ilan.bg, www.ilan-bg.com



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