

M3 Series

Vital Signs Monitors



M3 (SpO₂ + NIBP/ SpO₂ only/NIBP only):

EDAN M3 Vital Signs Monitor has made its mark in out-patient department and doctors' office for its accuracy, durability and cost-effectiveness by SpO₂ and NIBP monitoring. Its affordable price and multi-parameter functionality can address vital signs needs.

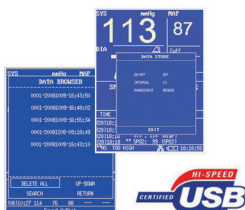
M3B (SpO₂ + CO₂):

With SpO₂ (Nellcor optional) and Respironics 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.

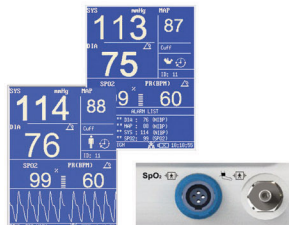
- 5.7 inch LCD display
- Backlight control and standby mode for power saving
- Display numeric and waveform information simultaneously
- Network capability
- Powerful storage capacity
- Built-in rechargeable Lithium-ion Battery for 10 hours working
- Suitable for adult, pediatric and neonate patients
- PR measurement (from SpO₂/ NIBP)
- Trend table review and record
- Trend graph review and record
- USB data storage and review
- 8s real-time waveform printing
- Nurse call
- Respironics LoFlo™ sidestream and CAPNOSTAT® 5 ETCO₂ mainstream measurement



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



USB storage (data store, browse, search and delete)



Powerful storage capacity: 72 hours trend review of all parameters, 5 hours SpO₂ waveforms storage (M3), 2.5 hours SpO₂ and CO₂ waveforms storage (M3B), 30,000 sets NIBP review and 800 items alarm review.



Wall Mount and Rolling Stand (M3 and M3B)

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, CO₂ (BF)

Harmful liquid proof degree Ordinary equipment
(sealed equipment without liquid proof)

Specifications

Size and Weight

Size 173.5 (L) x 241 (H) x 189 (D) mm

Weight 3 kg

Display

5.7 inch LCD

Power Supply

100-240 VAC, 50/60Hz

P_{max}=45VA FUSE T 1.6AL

Battery

Type: Lithium

Voltage: 14.8 V DC Capacitance: 4,400 mAh

Working period: 600 min

Rechargeable period < 300min

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 0~280mmHg

Pressure Resolution 1mmHg

Maximum mean error 5mmHg

Maximum Standard deviation 8mmHg

Configuration

M3 (SpO₂ + NIBP / SpO₂ only/ NIBP only)

M3B (SpO₂ + CO₂)

Entire Measuring Period 20~45s 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

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 20 ~ 254 bpm

Resolution 1 bpm

Accuracy ± 3bpm

Under Motion Condition, ±5 bpm

Date update period 2s

Anti-motion Interference

Strong Anti-motion Interference,

Anti-electrotome

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 20~250bpm

Resolution 1bpm

Accuracy ±3 bpm

Low Perfusion 0.03 % ~ 20 %

Respiricon CO₂ (M3B only)

Method Infra-red Absorption Technique

Measuring mode Sidestream, Mainstream

Measuring range

CO₂ 0 ~ 99 mmHg

INSCO₂ 0 ~ 99mmHg

AwRRR 0 ~ 150 rpm

Resolution

CO₂ 1 mmHg

INSCO₂ 1mmHg

AwRRR 1 rpm

Accuracy

CO₂ ± 2 mmHg, 0 ~ 40 mmHg

Reading ± 8%, 41 ~ 76 mmHg

Reading ±10%, 77 ~ 99 mmHg

AwRRR

± 2 rpm

Alarm range

CO₂ ADU 15 ~ 50 mmHg

PED 20 ~ 50 mmHg

NEO 30 ~ 45 mmHg

InsCO₂ ALM HI 4 mmHg

AwRRR ADU 8 ~ 30 rpm

PED 8 ~ 30 rpm

NEO 30 ~ 100 rpm

Suffocation Alarm Delay

AwRRR 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



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