

M3B

EDAN

M3

M3/M3B Vital Signs Monitors

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, Quick TEMP and CO₂ monitoring. Its portability and multi-parameter functionality address vital signs monitoring needs.

- 5.7" 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
- Quick 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/M3B

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 (W/O Temp module)
IPX1 (with Temp module)

Specifications

Size and Weight
Size 200.8mm (L) x 241mm (H) x 189 mm (D)
Weight 3 kg
Display
5.7" color TFT resolution: 640X480
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 480min
Rechargeable period < 360min
Thermal Recorder (Optional)
Paper Width 48 mm
Paper Speed 25mm/s

NIBP (M3 only)

Method Oscillometric
Mode Manual, Auto, Continuous
Measuring Interval in AUTOMode
12/4/5/10/15/30/60/90/120/240/480 Min
Continuous 5min, interval is 5s
Measuring Type Systolic Pressure, Diastolic Pressure, Mean Pressure
Measuring Range
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)
Dual Overpressure protection
Adult 29±3mmHg
Pediatric 24±3mmHg
Neonatal 14±3mmHg
PR
Measuring Range 40~240bpm
Resolution 1bpm
Accuracy ±3bpm or 3.5% of the maximum
IEC 60601-2-30

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
Quick Temperature
Measuring Range 25°C ~ 45°C
Probe Type Oral/Axillary sensor
Rectal sensor
Resolution 0.1°C
Accuracy Monitor mode: ±0.1°C
Typical measurement time <15s
Update time 1s ~ 2s
IEC 12470-4

Respironics CO₂ (M3B only)

CO₂ (Mainstream and Sidestream, optional)
By Philips Respironics CAPNOSTAT 5® & LoFI®
Technology
Range: 0 ~ 150 mmHg
Accuracy: ±2% 0 ~ 40 mmHg
±5% 41 ~ 70 mmHg
±8% 71 ~ 100 mmHg
±10% 101 ~ 150 mmHg
AwRR Accuracy: ±1rpm
Convenient design for intubated and non-intubated applications
Possible to work at low sample flow rate: 50ml/min
Detailed specification refer to the user manual of Respironics
ISO 21647

Configuration	SpO ₂	NIBP	QuickTEMP	CO ₂
M3 (SpO ₂ only)	✓	—	—	—
M3 (NIBP only)	—	✓	—	—
M3 (NIBP+QuickTEMP)	—	✓	✓	—
M3 (SpO ₂ +NIBP)	✓	✓	—	—
M3 (SpO ₂ +NIBP+QuickTEMP)	✓	✓	✓	—
M3B (SpO ₂ +CO ₂)	✓	—	—	✓

EDAN

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