

M3A



EDAN



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Vital Signs Monitors

EDAN M3A Vital Signs Monitor provides essential measurements for patient's SpO₂, NIBP, Pulse Rate and Temp. It offers a high cost-performance ratio to give care teams throughout the hospital most of the information they need at the patient's side.

- 3.5" high resolution TFT LCD and clear LED numeric indication display
- NIBP, SpO₂, and Quick Temp vital signs parameters measurements
- Power-environmental design enables a longer battery working time up to 21 hours while generating much less noise
- User-friendly design provides convenient access to frequently used functions
- Spot-check and continual working modes with unique alarm system to meet most clinical needs
- High capability data storage
- Wired LAN networkability
- Backlight control and standby mode for power saving
- Nurse call
- Smart data management via PatientCare Viewer software
- Adaptability to adult, pediatric and neonatal patients
- Complete solution to easy mounting for different working environments



Quick, accurate and easier to operate



Easy-to-read: LED numeric and high resolution color LCD display



PatientCare Viewer: Real-time data or stored data can be transferred to a pc. 100 hours trend review of all parameters, 12,000 sets NIBP review

M3A Vital Signs Monitor

Simple, fast, accurate, vital signs at a reasonable price



Classification

Anti-electroshock type Class I equipment
and internal powered equipment

EMC type Class A

Anti-electroshock degree SpO₂, NIBP, BF

Compliant with Safety Standards: directive
93/42/EEC including amendments by Directive
2007/47/EC

IEC/EN 60601-1; IEC/EN 60601-1-2
ISO 9919; IEC/EN 60601-2-30, IEC 60601-2-49

Specifications

Size and Weight

Size 208mm (L) x 241mm (H) x 189 mm (D)

Weight 2.4kg (without battery)

Display

3.5 inch, LCD Color TFT

Resolution: 320 X 240

Power Supply

100-240 VAC, 50/60HZ

Pmax=70VA FUSE T 1.6AL

Battery

Type: Li battery

Voltage: 14.8 V DC

Capacitance: 2200 mAh (4400 mAh optional)

Working period: 2200 mAh 10 hours
4400 mAh 21 hours

Recharging time: 180 min/320 min

Recorder (Optional)

Record Width 48 mm

Paper Speed 25mm/s

NIBP

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 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

0~280mmHg

Pressure Resolution 1mmHg

Maximum mean error 5mmHg

Maximum Standard deviation 8mmHg

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 or 3.5%
whichever is greater

SpO₂

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 1s

Quick Temperature (optional)

Measuring Range 25°C ~ 45°C

Probe Type Rectal/Oral/Axillary temperature,

Alarm Range +25°C ~ +45°C

Resolution 0.1°C

Accuracy ±0.1°C (+25°C ~ +45°C)

Response time < 60s

Update time 1s ~ 2s

Configuration	SpO ₂	NIBP	QuickTEMP
M3A (SpO ₂ only)	✓	—	—
M3A (NIBP only)	—	✓	—
M3A (NIBP+Quick TEMP)	—	✓	✓
M3A (SpO ₂ +NIBP)	✓	✓	—
M3A (SpO ₂ +NIBP+Quick TEMP)	✓	✓	✓



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