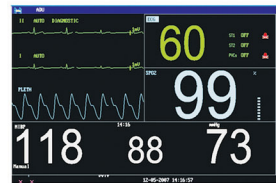
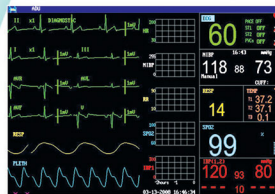


M8B Patient Monitor

- 10.1" color TFT display
- Standard parameters: ECG, SpO₂, Resp, NIBP, 2-Temp, PR, optional parameter: 2-IBP
- 120 seconds full-disclosure waveforms review
- Nellcor Oximax / EDAN SpO₂
- SpO₂ pulse-tone modulation (Pitch Tone)
- OxyCRG for neonatal monitoring
- 7-lead ECG waveforms display simultaneously
- Pacemaker detection
- Arrhythmia analysis, ST segment analysis
- Built-in rechargeable Li-ion battery
- Bi-directional communications with EDAN central monitoring system
- Powerful data storage capacity (96 hours graphic and tabular trends of all parameters, 500 NIBP measurement results, 60 alarm events)
- Nurse call
- Three channels printing
- Waveform color adjustable



Large Font Display

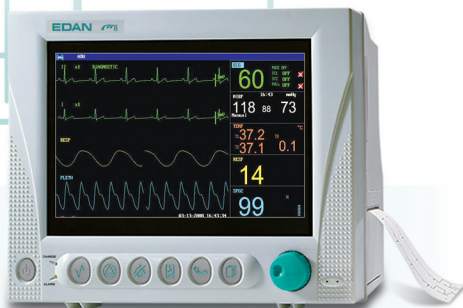


Trend Screen Mode



OxyCRG for Neonatal Monitoring

M8B Patient Monitor



Technical Specifications

Safety

IEC60601-1 approved, CE marking according to MDD93/42/EEC

Dimension and Weight

Size 320mm×150mm×265mm

Weight 3.8 kg

Operation Environment

Temperature 5~40 °C

Humidity 25% ~ 93 % (no coagulate)

Power Supply 100/240 VAC, 50/60 Hz.

Performances Specifications

Display: 10.1" TFT LCD

Resolution 800×480

Waveforms: 9 Waveforms Maximum

Indicator: Alarm indicator

Power indicator

Charging indicator

3 Sound Mode corresponding Alarm Mode

Battery: 14.8V rechargeable Li battery

Maximum 4.5 hours with full capacity

Recall: 1-96 hours trend recall

Alarm: 3-level audible and visual alarm

Recorder: Paper width: 48 mm

Record speed: 25mm/S, 50mm/S

3 traces

ECG

Lead Mode 3 Leads (R, L, F or RA, LA, LL),

5 Leads (R, L, F, N, C or RA, LA, LL, RL, V)

Lead selection

3 Leads:I, II, III, drive leads change accordingly

5 Leads: select 2 channels from I, II, III, avR,

avL, avF and V. drive leads RL.

Gain selection x0.25,x0.5,x1,x2,Auto

Waveform 3 Leads: 1 channel

5 Leads: 2 channel

7 waveforms display on screen

CMRR

Diagnosis >100 dB (no 50Hz/60Hz software wave trap)

Monitor >110 dB (has 50Hz/60Hz software wave trap)

Surgery >110dB (has 50Hz/60Hz software wave trap)

HR Measuring and Alarm Range

Adult/Ped 15 bpm ~ 300bpm

Neo 15 bpm ~ 350bpm

Accuracy ±1% or ±1bpm, which great

Resolution 1 bpm

Sensitivity > 200 μV P-P

Differential Input Impedance ≥ 5 MΩ

Electrode offset potential ±500mV

Leakage Current < 10 uA

Working Mode Monitor Surgery Diagnosis

ECG Signal Range ±8 mV (Vp-p)

Amplitude-frequency Characteristic (Bandwidth)

Monitor 0.5 ~ 40 Hz

Surgery 1 ~ 20 Hz

Diagnosis 0.05 ~ 125 Hz

ST Segment Monitoring Range

Measure and Alarm -2.0 ~ +2.0 mV

RESPIRATION

Method Impedance between R-F (RA-LL)

Base Line Impedance Range: 200~2500Ω

(no lead cables 1kΩ resistance)

Measuring Sensitivity 0.3 ~3.0Ω

Resp. Rate Measuring and Alarm Range

Adult 0 rpm ~120rpm

Neo/Ped 0 rpm ~150rpm

Resolution 1 rpm

Accuracy ±2 rpm

Gain Selection x0.25,x0.5,x1,x2,x3,x4,x5,Auto

NIBP

Method Oscillometric

Mode Manual, Auto, Continuous

Measuring Interval in AUTO Mode

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

Measuring Type

Systolic Pressure, Diastolic Pressure, Mean Pressure

Measuring Rang

Adult Mode

SYS 30~270mmHg

DIA 10~220mmHg

MEAN 20~235mmHg

Pediatric Mode

SYS 30~235mmHg

DIA 10~220mmHg

MEAN 20~225mmHg

Neonatal Mode

SYS 30~135mmHg

DIA 10~110mmHg

MEAN 20~125mmHg

Cuff Pressure measuring Range

0~290mmHg

Pressure Resolution 1mmHg

Pressure Accuracy

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 40~240bpm

Resolution 1bpm

Accuracy ±3bpm or 3.5% the maximum

SpO₂

Measuring Range 0 ~ 100 %

Alarm Range 0 ~ 100 %

Resolution 1 %

Accuracy

Adult (including Pediatric) ±2 digits (70%~100% SpO₂)

Neonate Undefined (0~70% SpO₂)
±3 digits (70%~100% SpO₂)

Undefined (0~70% SpO₂)

Pulse Rate

Measuring and Alarm Range 30 ~ 254 bpm

Resolution 1 bpm

Accuracy ±3bpm

Under Motion Condition ±5 bpm

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

Low Perfusion 0.03 % ~ 20 %

TEMPERATURE

Channel 2

Measuring Range 0 ~ 50 °C

Resolution 0.1°C

Accuracy ±0.1°C (20 ~ 45 °C)

±0.2°C (other)

Refresh Time Every1 ~ 2 Seconds

Self test Every about 5 ~ 10 Minutes

IBP(optional)

Channel 2

Label ART, PA, CVP, RAP, LAP, ICP, P1, P2

Pressure Sensor

Static Pressure Measuring Range

-50~+300 mmHg (up to 350 mmHg)

Static Pressure Accuracy

±1% or 1mmHg which great (excluding probe)

±4% or 4mmHg which great (including probe)

Dynamical Pressure Measuring Range -50~+300 mmHg

Dynamical Pressure Accuracy

±4% or 4mmHg which great (including probe)

Measuring and Alarm Range

ART 0 ~ 300 (mmHg)

PA -10 ~ 120 (mmHg)

CVP/RAP/LAP/ICP -10 ~ 40 (mmHg)

P1/P2 -10 ~ 300 (mmHg)

Resolution 1 (mmHg)

Standard configurations: ECG, NIBP, RESP, EDAN SpO₂, 2-TEMP, Li-ion Battery

Optional configurations: Nellcor SpO₂, 2-IBP, Thermal Recorder



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Features and specifications are subject to change without notice.

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