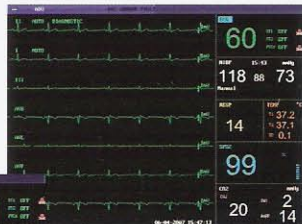
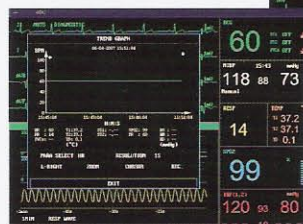


# M8 / M8A Patient Monitor

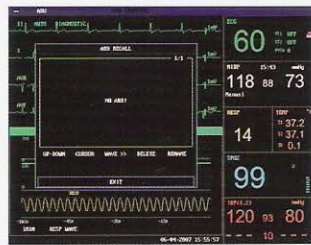
- 12"/10" color TFT display
- ECG, SpO<sub>2</sub>, Resp, NIBP, 2-Temp, PR, 2-IBP, EtCO<sub>2</sub>
- 120 seconds full-disclosure waveforms review
- Nellcor Oximax / EDAN SpO<sub>2</sub>
- SpO<sub>2</sub> pulse-tone modulation (Pitch Tone)
- OxyCRG for neonatal monitoring
- 7 leads ECG analysis
- Arrhythmia analysis, ST segment analysis
- Built-in rechargeable Li-ion battery
- Networkable with central monitoring system
- Powerful data storage capacity  
(96 hours graphic and tabular trends of all parameters, 500 NIBP measurement results, 60 alarm events)
- Large font display
- Pacemaker detection
- Nurse call
- Three channels printing
- Waveform color adjustable
- Alarm limit display



7 Leads ECG Display Mode



96 Hours Trend Graph



Comprehensive Arrhythmia Review



Large font Display



# M8 / M8A Patient Monitor

## Technical Specifications

### Safety

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

### Dimension and Weight

Dimension: 318mm(W)x152mm(D)x264mm(H)  
Weight: 5kg

### Operation Environment

Temperature: 5 ~ 40 °C  
Humidity: 25% ~ 95 % (non-condensing)  
Power: AC 100 ~ 240 V, 50/60 Hz

### Performance Specifications

Display: 12" /10" color TFT ( M8 12", M8A 10" )  
Resolution: 800x600 dots  
Waveforms: 11 waveforms maximum  
Indicator: Alarm indicator  
Power indicator  
Charging indicator  
QRS beep and alarm sound  
Interface: Network port  
Battery: Rechargeable Li-ion battery  
Maximum 4.5 hours with full capacity  
Recall: 1-96 hours trend recall  
Alarm: 3-level audible and visual alarm  
Recorder: Built-in, thermal array  
3 traces  
Paper width: 48mm  
Record speed: 25mm/s, 50mm/s

### 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)

4 selectable plus: x 0.25, x 0.5, x 1, x 2 cm/mV

### PACE detection

Detection leads 7 selectable leads: I, II, III, avR, avL, avF, V

Input voltage range ±8mV, polarized voltage: ±500mV

### CMRR

Diagnosis >100 dB (no.50Hz/60Hz software wave trap)  
Monitor >110 dB (has 50Hz/60Hz software wave trap)  
Surgery >100dB (50Hz/60Hz software wave trap)

### HR Measuring and Alarm Range

Adult/Ped 15 bpm ~ 300bpm  
Neo 15 bpm ~ 350bpm  
Accuracy ±1% or ±1bpm, which is greater  
Resolution 1 bpm  
Sensitivity > 200 µV P-P

Differential Input Impedance ≥ 5 MΩ

Electrode offset potential 300mVd.c. ±600mVd.c.

Leakage Current < 10 uA

ECG Signal Range ±6 mV (Vp-p)

ST Segment Monitoring Range  
Measurement and Alarm -2.0 ~ +2.0 mV

### RESPIRATION

Method Impedance between R-F (RA-LL), R-L(RA-LA)  
Resp. Rate Measurement 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

### NIBP

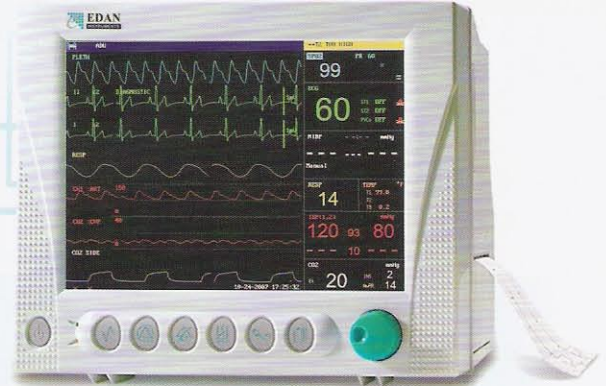
Method Oscillometric  
Mode Manual, Auto, Continuous  
Measuring Interval in AUTO Mode  
1/2/3/4/5/10/15/30/60/90/120/240/480Min  
Cuff Pressure measuring Range 0~280mmHg  
Pressure Resolution 1mmHg  
Pressure Accuracy  
Mean error ±5mmHg  
Maximum Standard deviation ≤8mmHg  
Overvoltage protection Dual Overvoltage protections  
Adult 297±3mmHg  
Pediatric 240±3mmHg  
Neonatal 145±3mmHg

### SpO<sub>2</sub>

Measuring Range 0 ~ 100 %  
Alarm Range 0 ~ 100 %  
Resolution 1 %  
Accuracy  
Adult (including Pediatric) ±2 (70%~100% SpO<sub>2</sub>)  
Undefined (0~70% SpO<sub>2</sub>)  
Neonate ±3 (70%~100% SpO<sub>2</sub>)  
Undefined (0~70% SpO<sub>2</sub>)  
Pulse Rate  
Measuring and Alarm Range 30~254bpm  
Resolution 1bpm  
Accuracy ±3bpm  
Under Motional Condition ±5bpm

### Nellcor module (option)

Measuring Range 1 ~ 100 %  
Alarm Range 1 ~ 100 %  
Resolution 1 %  
Accuracy  
Adult and Low-perfusion ±2 (70%~100% SpO<sub>2</sub>)  
Undefined (0~70% SpO<sub>2</sub>)  
Neonate ±3 (70%~100% SpO<sub>2</sub>)  
Undefined (0~70% SpO<sub>2</sub>)  
Pulse Rate  
Measuring and Alarm Range 20~250bpm  
Resolution 1bpm



Accuracy ±3bpm  
Low Perfusion 0.03 % ~ 20 %

### TEMPERATURE

Channel 2  
Measuring Range 0 ~ 50 °C  
Sensor type YSI (B series) and CF-FI  
Resolution 0.1 °C  
Accuracy ±0.1°C (20 ~ 45°C)  
±0.2 °C (0~25°C, 45~50°C)

### IBP

Channel 2  
Label\* ART, PA, CVP, RAP, LAP, ICP, P1, P2  
Static Pressure Measuring Range -50~+300 mmHg (up to 350 mmHg)  
Static Pressure Accuracy ±2% or 1mmHg which is greater  
Dynamical Pressure Measuring Range -50~+300 mmHg  
Dynamical Pressure Accuracy ±2% or 1mmHg which is greater  
Measuring and Alarm Range  
ART 0 ~ 300 (mmHg)  
PA 6 ~ 120 (mmHg)  
CVP/RAP/LAP/ICP -10 ~ 40 (mmHg)  
P1/P2 -50 ~ 300 (mmHg)  
Resolution 1 (mmHg)  
CO<sub>2</sub>  
Method Infrared Absorption Technique  
Measuring mode Sidestream  
Measuring range  
CO<sub>2</sub> 0~150 mmHg  
INSCO<sub>2</sub> 0 ~ 99mmHg  
AwRR 2 ~ 150 rpm  
Resolution  
CO<sub>2</sub> 1 mmHg  
INSCO<sub>2</sub> 1mmHg  
AwRR 1 rpm  
Accuracy  
CO<sub>2</sub> ± 2 mmHg, 0 ~ 40 mmHg  
Reading ± 8%, 71 ~100 mmHg  
Reading ±10%, 101~150 mmHg  
AwRR ± 1 rpm  
Alarm range  
CO<sub>2</sub> ADU 15 ~ 50 mmHg  
PED 20 ~ 50 mmHg  
NEO 30 ~ 45 mmHg  
InsCO<sub>2</sub> ALM HI 4 mmHg  
AwRR ADU 8 ~ 30 rpm  
PED 8 ~ 30 rpm  
NEO 30 ~ 100 rpm  
Suffocation Alarm Delay  
AwRR 10 ~ 150 rpm

Standard configurations: ECG, NIBP, RESP, EDAN SpO<sub>2</sub>, 2-TEMP, Li-ion Battery  
Optional configurations: Nellcor SpO<sub>2</sub>, 2-IBP, EtCO<sub>2</sub>, Thermal Recorder

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Features and specifications are subject to change without notice



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