



# M8B Patient Monitor

- 10" color TFT display
- ECG, SpO<sub>2</sub>, Resp, NIBP, 2-Temp, PR, 2-IBP
- 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
- Nurse call
- Pacemaker detection



Trend Screen Mode



Large Font Display



OxyCRG for Neonatal Monitoring



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# M8B 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: 10" color TFT  
Resolution: 800x480  
Waveforms: 9 waveforms maximum  
Indicator: Alarm indicator  
Power indicator  
Charging indicator  
QRS beep and alarm sound  
Interface: Network port  
Battery: Rechargeable Li-ion battery  
2A/hour 2 hours for continuous working  
4A/hour 4.5 hours for continuous working  
Recall: 1-96 hours trend recall  
Alarm: 3-level audible and visual alarm  
Recorder: Built-in, thermal array  
2 traces  
Paper width: 48mm  
Record speed: 25mm/s, 50mm/s

### ECG

Lead types: 5-lead or 3-lead selectable  
Lead modes: 5-lead: RA, LA, RL, LL, V or R, L, N, F, C  
3-lead: RA, LA, LL or R, L, F  
Lead selection: 5-lead: I, II, III, AVR, AVL, AVF, V  
3-lead: I, II, III  
ECG waveforms: 2 waveforms or 6 or 7 waveforms  
Gain selection: × 2.5mm/mV, × 5.0mm/mV,  
× 10mm/mV, × 20mm/mV, auto  
Sweep speed: 12.5 mm/s, 25 mm/s,  
and 50 mm/s

Heart rate range: Adult: 15 bpm – 300bpm  
Pediatric/Neonatal: 15 bpm – 350bpm  
Patient types: Adult/Pediatric/Neonatal  
Resolution: 1bpm  
Accuracy: ± 1% or ± 1bpm, whichever  
is greater  
Operation modes: Diagnostic, Monitor, Surgery  
S-T segment: Yes  
Arrhythmia analysis: Yes  
Alarm: Yes, audible and visual alarm,  
alarm events recallable  
Protection: Withstand 4000VAC/50Hz voltage in  
isolation against Electrosurgical  
interference and defibrillation  
Alarm range:  
Adult: 15 bpm – 300bpm  
Pediatric/Neonatal: 15 bpm – 350bpm

### Respiration

Method: Impedance between R-F (RA-LL)  
Measurement range: Adult: 0 rpm – 120rpm;  
Pediatric/Neonatal: 0 rpm – 150rpm  
Resolution: 1 rpm  
Accuracy: ± 2 rpm  
Alarm range: Adult: 0 rpm – 120rpm;  
Pediatric/Neonatal: 0 rpm – 150rpm  
Apnea alarm: Yes  
Apnea delay: 10-40 seconds

### NIBP

Method: Oscillometric  
Operation modes: Manual/Automatic/Continuous  
Measurement types: Systolic Pressure, Diastolic  
Pressure, Mean Pressure

Measurement rang: Adult 10-270mmHg  
Pediatric 10-200mmHg  
Neonatal 10-135mmHg  
Overpressure protection: Yes  
Resolution: 1mmHg  
Alarm: Systolic, Diastolic, Mean

### Temperature

Unit: °C or °F  
Measurement range: 0 – 50 °C  
Resolution: 0.1°C  
Accuracy: ± 0.1°C (exclusive of sensor)  
Channel: 2 channels  
Alarm range: 0 – 50 °C

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

Measurement range: 0 – 100 %  
Accuracy: ± 2digits (70%-100%, Adult /  
Pediatric )  
± 3digits (70%-100%, Neonate)  
Undefined (0-70%)

### Pulse Rate

Measurement range: 18-254bpm  
Alarm range: 18-254bpm  
Accuracy: 3bpm  
Resolution: 1bpm

### IBP

Measurement range: -50-300mmHg  
Channel: 2 channels  
Pressure sensor: Sensitivity: 5uV/V/mmHg  
Impedance: +300 ~ +10000(Ohm)  
Pressure name: ART, PA, CVP, RAP, LAP, ICP  
Resolution: 1mmHg  
Accuracy: ± 2% or ± 1mmHg, whichever  
is greater (exclusive of sensor)  
Alarm range: -50-300mmHg

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

Specification subject to change without prior notice