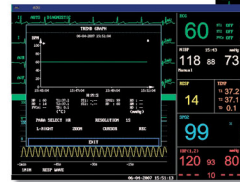


M8 / M8A Patient Monitor

- 12.1"/10.4" color TFT display
- Standard parameters: ECG, SpO₂, Resp, NIBP, 2-Temp, PR, optional parameters: 2-IBP, EtCO₂
- 7 leads ECG analysis
- Respiration sidestream and mainstream EtCO₂ measurement for intubated and non-intubated patients
- Nellcor Oximax / EDAN SpO₂
- SpO₂ pulse-tone modulation (Pitch Tone)
- OxyCRG for neonatal monitoring
- Arrhythmia analysis, ST segment analysis
- 120 seconds full-disclosure waveforms review
- Pacemaker detection
- Bi-directional communications with EDAN central monitoring system by wireless or wire network
- Powerful data storage capacity (96 hours graphic and tabular trends of all parameters, 500 NIBP measurement results, 60 alarm events)
- USB data storage and review
- Nurse call
- Built-in rechargeable Li-ion battery
- Three channels printing



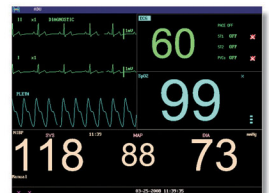
7 Leads ECG Display Mode



96 Hours Trend Graph



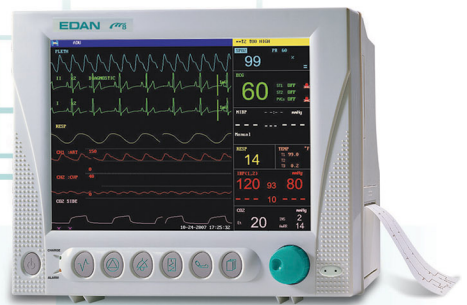
Comprehensive Arrhythmia Review



Large font Display

M8 / M8A

Patient Monitor



Technical Specifications

Safety

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

Dimension and Weight

Dimension: 320mm(W)x150mm(D)x265mm(H)
Weight: M8 4.1kg M8A 3.9kg

Operation Environment

Temperature: 5 ~ 40 °C
Humidity: 25% ~ 93% (non-condensing)
Power: AC 100 ~ 240 V, 50/60 Hz

Performance Specifications

Display: 12.1"/10.4" color TFT (M8 12.1" M8A 10.4")
Resolution: 800x600 dots
Waveforms: 11 waveforms maximum
Indicator: Alarm indicator
Power indicator
Charging indicator
QRS beep and alarm sound
Interface: Network port/USB 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, Auto PACE detection
Detection leads 7 selectable leads: I, II, III, avR, avL, avF
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 µA
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 0~290mmHg
Pressure Resolution 1mmHg
Pressure Accuracy
Mean error ±5mmHg
Maximum Standard deviation ≤8mmHg
Overpressure protection Dual Overpressure protections
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 (70%~100% SpO₂)
Undefined (0~70% SpO₂)
Neonate ±3(70%~100% SpO₂)
Undefined (0~70% SpO₂)
Pulse Rate
Measuring and Alarm Range 30~254bpm
Resolution 1bpm
Accuracy ±3bpm
Under Motional Condition ±5bpm
Nellcor module (optional)
Measuring Range 1 ~ 100 %
Alarm Range 1 ~ 100 %
Resolution 1 %
Accuracy
Adult and Low-perfusion ±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
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 (optional)

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)

CO₂ (optional)

Method Infrared Absorption Technique
Measuring mode Sidestream or Mainstream
Measuring range
CO₂ 0 ~ 150 mmHg
AwRR 2 ~ 150 rpm
Unit mmHg, %, Kpa
Resolution 1 mmHg, 0.1%, 0.1Kpa
CO₂ 1mmHg
INSCO₂ 1mmHg
AwRR 1 rpm
Accuracy
CO₂ ±2 mmHg, 0 ~ 40 mmHg
Reading ±5%, 41 ~ 70 mmHg
Reading ±8%, 71 ~ 100 mmHg
Reading ±10%, 101 ~ 150 mmHg
AwRR ±1 rpm
Suffocation Alarm Delay
AwRR 10 ~ 40 seconds
Response time <3 seconds, includes transport time, risetime
Calculation Method BTPS (Body Temperature Pressure Saturated)
Sample Gas Flowrate 50ml/min
Stability
Short Term Drift Drift over 4 hours < 0.8 mmHg
Long Term Drift 120 hour period
O₂ Compensation
Range 0 to 100%
Resolution 1%
Default 16%

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

Optional configurations: Nellcor SpO₂, 2-IBP, EtCO₂, Thermal Recorder



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Features and specifications are subject to change without notice

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