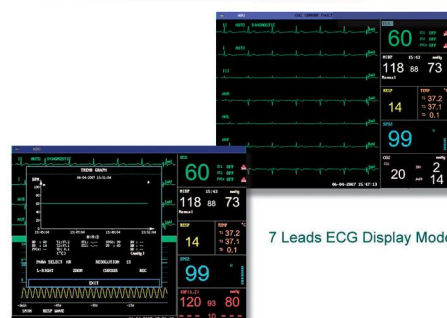
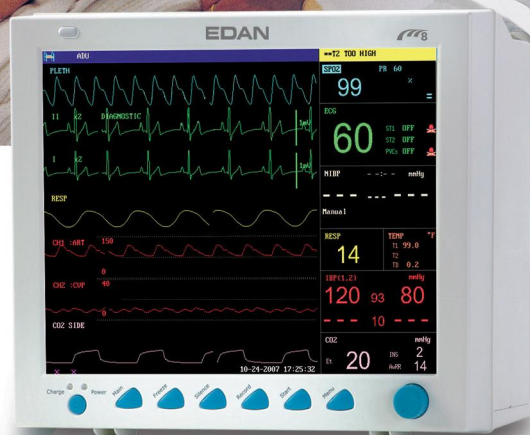




M8 / M8A Patient Monitor

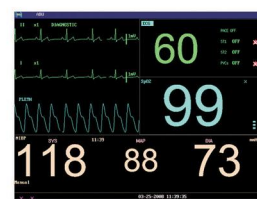
- 12.1"/10.4" color TFT display
- Standard parameters: ECG, SpO₂, Resp, NIBP, 2-Temp, PR, optional parameters: 2-IBP, EtCO₂
- 7 leads ECG analysis
- Respironics sidestream and mainstream EtCO₂ measurement for intubated and non-intubated patients
- Nellcor Oximax / EDAN SpO₂
- SpO₂ pulse-tone modulation (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



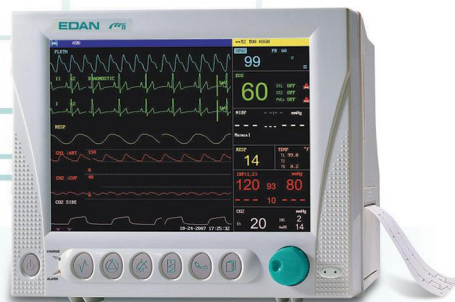
96 Hours Trend Graph



Large font Display

Comprehensive Arrhythmia Review

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, V

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

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 ± 1 bpm, which is greater

Resolution 1 bpm

Sensitivity > 200 μ V P-P

Differential Input Impedance ≥ 5 M Ω

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

Leakage Current < 10 μ A

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 ± 5 mmHg

Maximum Standard deviation ≤ 8 mmHg

Overpressure protection Dual Overpressure protections

Adult 297 ± 3 mmHg

Pediatric 240 ± 3 mmHg

Neonatal 145 ± 3 mmHg

PR

Measuring range 40~240bpm

Resolution 1bpm

Accuracy ± 3 bpm 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 ± 3 bpm

Under Motional Condition ± 5 bpm

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)

Undefined (0~70% SpO₂)

Neonate ± 3 (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

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

± 1 rpm

AwRR

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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