

EMS-12000A

Esonic BIOTECH

Multi-Parameter Patient Monitor



Features:

- * 12.1" high resolution color TFT touch screen display, 5-channel waveform display
- * Standard Parameters: ECG, SpO₂, NIBP, TEMP, PR; Optional: IBP & EtCO₂
- * Arrhythmia analysis and ST segment analysis
- * Up to 800 groups parameter data & 24-hour ECG waveform storage and recall
- * 480-hour graphic and tabular trends for all parameters
- * 7-Channel ECG waveforms display simultaneously
- * Protection against interference from defibrillator, electrosurgical knife
- * Adult / Pediatric / Neonatal measurement modes
- * Visual and audible alarms; Networking capability
- * Build-in rechargeable battery; Optional built-in thermal printer

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Technical Specification

NIBP Monitoring

Measuring method: Automatic measurement by intelligent oscillating method

Cuff inflation time: <30 seconds (typical adult cuff)

Initial cuff inflation pressure: Adult and infant mode: 180mmHg
Neonate mode: 120mmHg

Overpressure protection limit: Adult and infant mode: 300mmHg
Neonate mode: 120mmHg

Measuring range: Systolic Pressure:
Adult and infant: 25mmHg~265mmHg
Neonate: 25mmHg~135mmHg

Diastolic Pressure:
Adult and infant: 12mmHg~220mmHg
Neonate: 12mmHg~110mmHg

Mean Arterial Pressure:
Adult and infant: 18mmHg~245mmHg
Neonate: 18mmHg~120mmHg

Measuring Accuracy
Systolic $\pm 10\%$
Diastolic $\pm 10\%$
Map $\pm 10\%$

Measurement Mode Manual, Auto, STAT

TEMP Monitoring

Measuring Range 15.0°C~45.0°C

Measuring Accuracy $\pm 0.2^\circ\text{C}$

SpO₂ & Pulse Rate Monitoring

SpO₂ Measuring Range 135%~100%

Transducer dual-wave length LED

Low Perfusion capability 0.4%~5%

PR Measuring Range 30bpm~250bpm

PR Measuring Accuracy $\pm 2\text{bpm}$

ECG Monitoring

Heart rate measurement: $\pm 0.4\text{mVp} \sim \pm 3\text{mVp}$

Heart rate display range: 20bpm~250bpm

Display Accuracy: $\pm 1\%$ or $\pm 2\text{bpm}$

Heart rate alarm delay time: 12s

Sensitivity selection: Auto, x1/2, x1, x2, x4
Tolerance : 5%

Sweeping speed: 12.5mm/s, 25mm/s, 50mm/s

ECG Noise level: 30 VP-P

ECG input loop current: 0.1A

Input impedance: 5M

Common-mode: 80dB

Other Technical Specification

power supply: 100-250Vac, 50/60Hz

power Consumption: <80 VA

Display mode: 12.1 inches color Touch Screen

Alarming mode: Audible-visual alarm

Networking port: Ethernet port

Standard Configuration

ECG, SpO₂, NIBP, TEMP, PR

Optional Configuration

IBP, EtCO₂ and Built-in printer

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