

# GE Biomed



## GE 12A

### 12 Channel Electrocardiograph



#### Features

- 8.4 inch TFT touch colour screen
- Multi-language operation and information input
- Preview before printing, diagnostic report editable
- 12-lead acquisition and amplification, 12 ECG Waveforms recording simultaneously
- 1:1 ratio on-screen diagnose
- Up to 122 kinds of arrhythmia analysis
- Manual/ Auto/ Rhythm working modes selectable
- AC/DC power supply, built-in Li-ion battery to support uninterrupted working up to 2 hours
- 300 ECG records storage and review, capable of expanding Internal memory by USB
- Support 210mm, 216mm roll and Z-folded paper
- Net-grid on screen for easier observation

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# Technical Specification **GE 12A**



## Safety Standards

ISO 13485:2003 approved, CE marking according to MDD93/42/EEC

## Physical Characteristics

- Product Size: 410mmX316mmX134mm
- Net Weight: 5.2kg
- Display: 8.4" Color TFT touch screen
- Resolution: 800x600

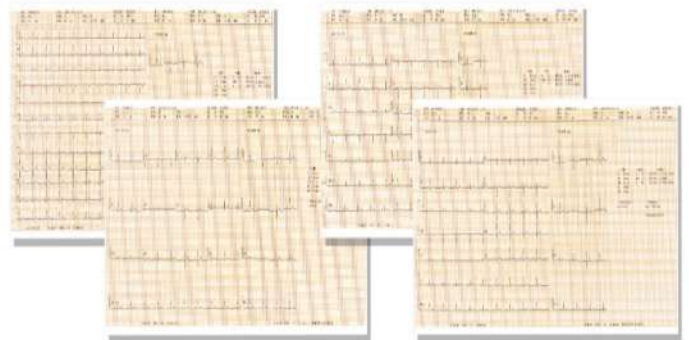
## Operation Environment

- Temperature: 0-40C
- Humidity: 15-85%
- Power Supply: AC100-250V, 50/60Hz
- Battery Type: Rechargeable lithium-ion battery
- Battery Capacity: 4400mA
- Battery Recharging Time: Maximum 6.5 hours for charging;
- Battery working period: 4 hours for continuous working
- Interface: USB(data input or output, upgrade)  
AC power supply socket  
RS232 port  
RJ45 port
- Data: Input/output(patient's case)
- Network: PC-ECG,FTP data upload

## Performance Specifications

- Input Circuit: Defibrillator protection built-in
- Lead: Standard 12 leads
- Acquisition Mode: 12 leads simultaneously
- A/D Converter: 24 bits
- Measurement Range:  $\pm 5\text{mVpp}$
- Time Constant:  $\geq 5\text{s}$
- Frequency Response: 0.05-150Hz
- Calibration Voltage:  $1\text{mV} \pm 3\%$
- Sensitivity: 2.5, 5, 10, 20 (mm/mV)
- Input impedance:  $\geq 50\text{M}\Omega$

- Input Circuit Current:  $\leq 50\mu\text{A}$
- Noise Level:  $\leq 15\mu\text{Vp-p}$
- Anti Baseline Drift: Automatic
- Patient Leakage Current:  $< 10\mu\text{A}$ (220V-240V)
- Patient Auxiliary Current:  $< 0.1\mu\text{A}$ (DC)
- Filter: EMG Filter:25Hz/35Hz/45Hz/OFF  
DFT Filter:0.05/0.10/0.2/0.5Hz  
Lowpass Filter:150/100/75Hz  
AC filter:50Hz/60Hz/OFF
- Recording Mode: Auto  
Manual  
Rhythm
- Rhythm Lead: Any lead selectable
- Recorder: Thermal printer
- Paper speed: 5mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s ( $\pm 2\%$ )
- Gain: AGC,2.5mm/mV,5mm/mV,10mm/mV,20mm/mV,10/5mm/mV,20/10mm/mV  
Recorder Paper: 210mmX30m, 215mmX30m, 210mmX140mm-150P, 215mmX140mm-150P
- Record format: 3x4, 3x4+1R, 3x4+3R, 6x2, 6x2+1R, 12x1, 2x1+T
- External input/output: Input: $\geq 100\text{K}\Omega$ ; sensitivity 10mm/V  $\pm 5\%$   
Output: $\leq 100\Omega$ ; sensitivity 1V/mV  $\pm 5\%$



Report Sample

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