

# MODEL: ECG100G



## ECG100G

### Introductions

ECG100G single channel ECG is such a kind of electrocardiograph, which prints out the ECG waveforms with thermal printing system. Recording and displaying ECG waveforms in auto/manual mode; prompting the state of lead off and paper lack; switching the interface languages (Chinese/English).

### Features

- ◆ 2.7" FSTN display shows the working status and ECG waveform. Check the waveform before printing to save record paper.
- ◆ Output system: High-resolution thermal-array (32 dots/mm), it needs not be adjusted. Recording frequency Response: Up to 150Hz.

- ◆ The device can record exact single ECG waveform and remark. The mark includes:lead sign,ensitivity,paper speed,filter state.
- ◆ Under automatic mode,just press the button once,it starts record procedure,which can enhance your work efficiency
- ◆ The language of operation interface include include(Chinese,English,French,Italian,Turkish,Espanol,Deutsch,Russia)
- ◆ The keyboard's control is whole touch type,it's convenient to operate.
- ◆ Classification:Class:I,CF defibrillator proof
- ◆ Power supply:AC/DC,rechargeable lithium battery inside.
- ◆ This instrument can record 160 pieces of ECG waveform and 4hours, standby for 10 hours continually under the best DC state
- ◆ The figure of whole device is elegancy and gliding
- ◆ According to defencence degree of deleterious fluid, this device is belong to common device.
- ◆ Digital signal processor for effective inhibition of AC,EMG and DFT,receive the better ECG waveform.
- ◆ According to the working mode class, this device belongs to continuous operation equipment.

## **Technical Specification:**

Normal work environment

Environment temperature: +5℃~+35℃

Relative humidity: ≤80%

Atmospheric pressure: 86kPa~106kPa

Store and Transportation

Environment temperature: -10~55℃

Relative humidity: ≤95%

Atmospheric pressure: 50kPa~106kPa

## ECG instrument input

- ◆ Input way: Floating and defibrillation protection
- ◆ Lead: Standard 12 leads
- ◆ Patient leak current: <10μA
- ◆ Sampling rate:1000Hz
- ◆ A/D change:10 Bit
- ◆ Frequency response: 0.05Hz~150Hz(-3dB,+0.4dB)
- ◆ Time constant: Time constant>3.2s
- ◆ CMRR: >60dB, >100dB( With AC filter)
- ◆ Enduring polarization voltage:±500mV
- ◆ Noise level: ≤15μVp-p
- ◆ EMG interference filter: 35Hz(-3dB)
- ◆ AC filter:50Hz/60Hz(≥20dB)
- ◆ Sensitivity choice: 5,10,20mm/mV, error:±5%.Standard sensitivity is 10mm/mV±0.2mm/mV
- ◆ Recording way: Thermal printing system
- ◆ Auto-record: according the the record format and auto-mode to set, auto leads-changing, auto measurement.
- ◆ Manual record: according the record format to record, manual leads-changing.
- ◆ Specification of recording paper:50mm(W) × 20mm(L)High-speed thermal paper

- ◆ Paper speed: 25mm/s,50mm/s,error:±5%
- ◆ Product safety type:Class I, type CF defibrillator proof
- ◆ Fuse Specification:2 pcs  $\phi 5 \times 20$ mm AC time lag; T1.6AL250V
- ◆ Size:315mm(L)\*215mm(W)\*77mm(H)
- ◆ Net Weight:1.5kg
- ◆ Power supply: AC:100~240V,50/60 Hz

DC: 7.4V, 2000 mAh rechargeable lithium battery

## Accessories:

ECG leads	1 set
Limb electrode clamp	1 set
Chest electrode	1 set
Power connection	1 piece
Recording paper	1 piece
Ground wire	1 set
User manual	1 piece

## Certification

- ◆ CE, CCC

