

ECG 600 ECG DEVICE 6 CHANNELS/TABLETOP/ TOUCH SCREEN



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FEATURES

- LCD TFT colour screen is 800*480, touch screen and function key control at the same time, more convenient and shortcut.
- It is high resolution thermo sensitive printer and thermal-array (8 dots/mm), you should not adjust anything Frequency Response is up to 150Hz.
- The device can record real time clear and exact six channel ECG waveform and remark continually. The remark includes: lead sign, sensitivity, paper speed, filter state, etc.
- Full digital filter for resisting the baseline drift, AC and interference.
- Adjust the baseline automatically, optimize the print setting, and choose the rhythm leads.
- Under automatic mode, just press the button once, it starts record procedure, which can enhance your work efficiency.
- Soft keyboard and touch screen control at the same time, more convenient for operation. LCD TFT screen shows the working status, more clear for observation.
- The power supply includes both AC/DC. This device includes built-in lithium rechargeable battery, automatic protection circuit, and it will shut automatically if there is no operation for 5 minutes.
- This instrument can record 150 pieces of ECG waveform and print 90 minutes continually under the best DC state.
- This instrument can store more than 1000 pieces patient's data, more convenient for data review and statistic.



- The figure of whole device is elegant and gliding.
- One key to operate, and one key to print and store.
- Digital signal processor for effective inhibition of baseline drift, interference, and the like.
- The instrument has function with regular auto-measurement of ECG waveform parameter, auto-analyze and auto-diagnostic, it will help to reduce doctor's burden and improve working efficiency.
- Sampling twelve leads ECG signal at the same time, analyzing 2×6+1 (rhythm lead), 2×6, 3×4, 3×4+1 (rhythm lead), 4×3, 4×3+1 (rhythm lead), 6×2, 6×2+1 (rhythm lead), rhythm 2, rhythm 3, rhythm 4, rhythm 5, rhythm 6, rhythm 7 recording mode at the same time, and reporting with multi-formats.
- Multi-lead styles for observing the real-time wave of three leads, six leads or twelve leads, and displaying Lead Off and Lacking of paper. it can test the ECG parameter and analyze the report, register the wave with automatic or manual mode, it also can store the patients' information by data storeroom.
- Safety Class: Class I, Type CF applied part. there is defibrillation circuit.
- According to defense degree of deleterious fluid: IPX0

Main Technical Specification

1. Normal work environment

Operation

- a) Environment temperature: $+5^{\circ}\text{C} \sim +35^{\circ}\text{C}$
- b) Relative humidity: $\leq 80\%$
- c) Power supply: AC: 100V~240V, 50/60Hz
DC: 7.4V, 3700 mAh rechargeable lithium battery
- d) Atmospheric pressure: 86kPa~106kPa

Store and Transportation

- a) Environment temperature: $-40^{\circ}\text{C} \sim 55^{\circ}\text{C}$
 - b) Relative humidity: $\leq 95\%$
 - c) Atmospheric pressure: 50kPa~106kPa
2. Input way: Floating and defibrillation protection
3. Lead: Standard 12 leads
4. Patient leak current: $<10\mu\text{A}$
5. Input impedance: $\geq 50\text{M}\Omega$
6. Frequency response: 0.05Hz~150Hz (-3dB~+0.4dB)
7. Time constant: Time constant $>3.2\text{s}$
8. CMRR: $>60\text{dB}$, $>100\text{dB}$ (Add filter)
9. EMG interference filter: 35Hz (-3dB)
10. Recording way: Thermal printing system
11. Specification of recording paper: 110mm(W)*20m(L)
High-speed thermal paper
12. Paper speed:
Auto-record: 25mm/s, 50mm/s, error: $\pm 5\%$

Rhythm record: 25mm/s, 50mm/s, error: $\pm 5\%$

Manual-record: 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s, 100mm/s, error: $\pm 5\%$

13. Sensitivity choice: 2.5/5/10/20/40mm/mV, error: $\pm 5\%$.

Standard sensitivity is 10mm/mV $\pm 0.2\text{mm/mV}$

14. Auto-record: record following the record format and auto-mode, auto leads-changing, auto measurement and analyse.

15. Rhythm record: record following the rhythm format and rhythm mode, auto measurement and analyse.

16. Manual record: record following the record format, manual leads-changing.

17. Measurement parameters: HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1)

18. Product safety type: Class I, Type CF applied part. there is defibrillation circuit.

19. Enduring polarization voltage: $\pm 300\text{mV}$

20. Noise level: $\leq 15\mu\text{Vp-p}$

21. Fuse Specification: 2 pcs $\phi 5 \times 20\text{mm}$ AC time lag;

T1.6A/250V (Power Supply:220V)

22. Size: 315mm(L)*215mm(W)*92mm(H)

23. Net Weight: 1.7Kg

Accessories

- ECG Cable
- Chest Electrodes
- Limb Electrodes
- ECG Paper
- Power Cable
- Lithium Battery
- Grounding Cable