

12-CHANNEL ELECTROCARDIOGRAPH

touching for life



 **SE1200 Lite**

- 8.4" color TFT full touch screen
- Anti-defibrillation and Pacemaker detection
- Auto measurement and auto diagnosis function
- 12-lead simultaneous acquisition, amplification and recording
- Various display and print modes
- Lead status map to show ECG leads conductivity
- Sketch of displaying and closing ECG leads. Indication of leads off
- Digital thermal pen-free, thermal printer inside
- Simultaneous printing of channels, 3 channels minimum (3 channels, 6 channels, 12 channels)

Technical Specification

SE1200 Lite

Size and Weight

- Product size: 34×32×8.5cm
- Packing size: 45×40×25cm
- Net weight: 3.2kg
- Gross weight: 5.5kg

Power supply

- DC and AC power supply
- Safety class: Category I, CF type
- Hospital grade

Display

- 8.4" Color TFT high-resolution folding up touch-screen
- Resolution: 800×600 pixels or higher

Battery

- Type: 3700mA Rechargeable Lithium inside battery
- Operating time under the normal use and full charge: ≥ 120minute
- Auto power off when no measurement
- AC 100~220V 50/60Hz
- Lower battery indicator

Lead: Standard 12 leads

Filter (standard measure)

- AC Filter
- EMC Filter
- Drift Filter
- Digital Signal Processing

- Patient leak current: <10μA

- Enduring polarization voltage: ±300mV

- Noise Level: <15μ Vp-p

- Frequency Response: 0.05Hz-150Hz(-3dB)

- Time Constant: ≥3.2s

- Input Impedance: ≥50MΩ

- Input Circuit Current: <50nA

- Tolerance Voltage: ±650mV

- CMRR: ≥60dB, ≥100dB (Adding filter)

- Input way: Floating and defibrillation protection

Memory

- Built-in MSF, can store more than 1000 cases
- Digital filter Mode

Communication Interface: Ethernet, RS232, USB

Recording way: Thermal printing system

Recording paper: 210 mm(W)*20m(L) high-speed thermal paper

Paper speed:

- Auto record: 25mm/s, 50mm/s, error: ±5%
- Rhythm record: 25mm/s, 50mm/s, error: ±5%
- Manual record: 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s, error: ±5%

Sensitivity selections:

- 2.5, 5, 10, 20, 40 mm/mV
- Error: ±5%
- Standard sensitivity is 10mm/mV ± 0.2mm/mV

Auto record:

- Record setup according to auto record format and mode
- Automatically changing leads
- Measuring and analyzing

Rhythm record:

- Record setup according to rhythm record format and mode
- Automatically measuring and analyzing

Manual record:

- Record setup according to manual record format
- Manually changing leads

Measurement parameters: HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P A*is, QRS A*is, T A*is, R(V5), S(V1), R(V5)+S(V1)

Fuse specification:

- 2 pcs φ5*20mm
- AC time lag; T1.6A/250V (Power supply 220V)

Outstanding Features:

- Multi-language support. Chinese, English, Spanish, Polish, Italian, Turkish
- ECG Waveforms and auto-diagnosis results preview and editing before printing
- Support ECG work station. PC software can real display ECG waveform
- Anti-defibrillation and Pacemaker detection
- Auto measurement and auto diagnosis function
- 12-lead simultaneous acquisition, amplification and recording
- Alphanumeric keyboard, individual capital and numeral key
- Sleep/Wake Up. Mode for saving energy and extending LCD life
- Simultaneous display of 3/6/12 leads ECG waveform, and the state of printing mode, sensitivity, speed, filter etc
- Multiply printing modes and formats, including 12*1, 6*2+1 (rhythm lead), 6*2, rhythm 12, rhythm 10, rhythm 8, rhythm 6, manual and freeze, etc.
- Length of printed wave can be adjusted and simultaneously the function of periodic printing is offered to satisfy different applications
- Auto-analysis and auto-diagnosis of regular ECG waveform parameters, provides measurement parameters such as HR, P-R interval, P Duration, QRS Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1), etc.
- Lead status map to show ECG leads conductivity
- Sketch of displaying and closing ECG leads. Indication of leads off
- Long-distance data transferred through network socket

Accessories:

- 1x power cable, 1x Patient Cable, 6x Chest Electrodes, 4x Limb Electrodes, 1x Record Paper, 1x Ground Line

Specification subject to be changed without prior notice.



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