

SE1200

Twelve Channel Electrocardiograph



- 12.1" color TFT full touch screen
- BBB (Bundle branch blocks) Diagnosis with high accuracy
- Outstanding VCG (Vector-cardiogram) ECG Technology
- 120s real-time ECG waveforms freezing and reviewing
- Support one-screen display: 1:1 ratio one-screen full waveform display and diagnosis report, and print-out
- Full Alphanumeric keyboard, multi-language inputs
- Innovative printing preview and editable function on ECG report
- With A4 thermal paper, and connecting to external printers
- Ultimate data storage: Up to 10,000 ECG groups memory
- Instant connectivity: ECG working station, HL7, HIS, CIS connectable, data transmitting to PC via LAN/Flash USB



Size and Weight

- Size: 410mm×316mm×118mm
- Weight: 5kg

Power supply

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

Display

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

Battery

- Type: Rechargeable Lithium battery
- Operating time under the normal use and full charge: ≥ 120minute

Lead: Standard 12 leads

Filter

- AC Filter: 50Hz/60Hz/Close
- EMC Filter: 25Hz/35Hz/45Hz/Close
- Drift Filter: 0.05Hz/0.15Hz/0.25Hz/0.50Hz
- Lower pass Filter: 70Hz/100Hz/150Hz

Calibration Voltage: 1mV ± 1%

Noise Level: < 15μ Vp-p

Frequency Response: 0.05Hz-150Hz

Time Constant: ≥5s

Input Impedance: 50MΩ

Input Circuit Current: < 50nA

Tolerance Voltage: ±650mV

CMRR: ≥105dB

Anti-Baseline Drift: Automatic

Memory

- 300 ECGs, Built in 2G SD card to support over 10000 ECG records
- Digital filter Mode

Gain

- 2.5mm/mV、5mm/mV、10mm/mV、AGC(automatic)、20mm/mV、10/5mm/mV(classification, front means lead gain, behind means chest lead gain)
- 20/10mm/mV(classification, front means lead gain, behind means chest lead gain)
- Accuracy ±2%.

External Input/Output: Input ≥100 KΩ sensitivity 10mm/mV ±5%
 Output: ≤100Ω, Sensitivity 1V/mV ±5%

Communication Interface: Ethernet, RS232, USB

Recording System

- 210mm, 216mm width thermal printer papers
- USB socket to connect external Printer. Support A4 paper printing
- Printer brands: LJ2250N, HP P2015D、HP P2055D

Rhythm lead: single channel and three channels selectable. 12 leads selection for each channel

Recording Mode: Auto/Manual/Rhythm

Recording Format: 12×1+T, 12x1,3x4, 6x2,
 3×4+1R、3×4+3R、6×2+1R (R: rhythm lead)

Average Template: 4×3+1R, 6×2+1R recording

Record speed: 5mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s

Record Paper:

- Roller paper: 215 mm × 20 m

Outstanding Features:

- Multi-language support. Chinese, English, Spanish, Polish, Italian, Turkish
- Hand writing support
- ECG Waveforms and auto-diagnosis results preview and editing before printing
- Support ECG work station. PC software can real display ECG waveform
- Support PACS system. Doctor can view ECG waveform and diagnosis report from system directly.
- USB flash disk for data record and recover
- Recording Calibration system
- Anti-defibrillation and Pacemaker detection
- Auto measurement and auto diagnosis function
- 12-lead simultaneous acquisition, amplification and recording
- 1:1 Ratio for LCD screen waveforms and output waveform
 net-grid on screen and record paper are the same
- Last 120 seconds 12-leads waveforms reviewable and recordable
- Alphanumeric keyboard, individual capital and numeral key. (optional for touch screen input)
- Sleep/Wake Up. Mode for saving energy and extending LCD life
- Support upgrading programming on line per U dish, the brand supported including Kingston, PNY, ADATA, Apacer
- Automatic measurement and interpretation tested Verified channel formats: 3×4、3×4+1R、3×4+3R、6×2、6×2+1R、12×1、12×1+T
- 122 kinds of arrhythmia analysis
- Manual/Auto/ Rhythm working modes selectable
- Lead statue map to show ECG leads conductivity
- Three kinds of recording modes: Record and no printout, record and printout, no record only printout
- Sketch of displaying and closing ECG leads. Indication of leads off
- Using unique high-precision digital filter to eliminate baseline drift and other disturbances, avoid ECG waveform distortion and greatly enhance the anti-baseline drift capability to facilitate waveform detection
- Long-distance data transferred through network socket

Accessories:

- 1 x power cable, 1 x Patient Cable, 6 x Chest Electrodes, 4 x Limb Electrodes, 1x Paper Roller, 1 x Record Paper, 1 x Ground Line, 2 x fuses

Options:

- PC Work Station Package (Installation CD, USB locker, Internet Cable)
- Five-Stand Trolley

Specification subject to be changed without prior notice.