



Features

- ✓ 8-inch color widescreen LCD monitor, 12-channel synchronous display with the screen;
- ✓ Using the computer keyboard input and full-screen touch operation design;
- ✓ Using 24-bit high-precision synchronous data acquisition, with low noise, high dynamic range, wide frequency response characteristics;
- ✓ The use of excellent performance of the linear phase of the all-digital filter, high-fidelity waveform output;
- ✓ The use of innovative fast baseline correction algorithm, can be stable within 1-3s baseline;
- ✓ ECG automatic analysis system through ECE CSE ECG database test;
- ✓ The use of high-definition low-noise thermal recorder, put the stack paper automatic positioning function, without human intervention;
- ✓ Built-in high-energy lithium battery, can print 500 copies of ECG data;
- ✓ Hidden portable handle design, mobile, easy to carry;
- ✓ Using high-precision data storage, support for internal Flash, large-capacity U disk, SD card storage;
- ✓ Support manual, automatic, rhythm, R-R, off five recording modes, Minnesota code diagnostic information output;
- ✓ Support ECG waveform freeze and automatic playback;
- ✓ Support external USB printer, bar code scanner;
- ✓ Support networking, support PDF, Dicom (optional), FDA-XML (optional) format output

Technical Specification

Size and Weight

Size: 360mm×276mm×130mm (W×H×D)
Weight: 4.2kg

Display

Type: 8.0", 800×480 TFT LCD touch screen

Power supply

Input voltage: AC:100V~240V, 50Hz/60Hz
Input power: 100VA
Earth leakage current: <0.3 mA
Standard: Comply with IEC 60601-1 and IEC 60601-1-2

Battery

Type: Rechargeable lithium-ion battery
Rated Voltage: 11.1V
Capability: 4400mAh
Operating time: Used continuously for 5 hours
(print 500 shares of cardiogram)
Indication of battery capability: With

Input/Output Specification

Keyboard: USB keyboard
Standard touch-screen connector (4 lines)
Network connector: RJ-45 (one) TCP/IP; Web function
USB connector: 1 x USB Host connects U disk, scanner, and printer
1 x USB Device connects PC computer
SD card: SD card(Optional)

Data Storage

Fixed Memory: 800 groups of ECG data
Optional Memory: Flash, SD card or U disk
Storage mode: Background storage automatically
Storage format: PDF, DAT, Dicom, FDA-XML, JPEG

Measure and Diagnosis of ECG Waveform

HR range: 30bpm -300bpm
HR precision: ±1bpm (10s average)
Coefficient error: ≤5%, 0.333
Measure info of ECG waveform: P time limit, PR interphase,
QRS time limit, QT interphase, QTC interphase, RV5swing,
SV1swing, RV6swing,
SV2swing, RV5+SV1swing, P axis, QRS axis, T axis
Diagnosis analyze: ≥140 kinds

Environmental Specifications

Operating:
Temperature: 5°C~40°C
Relative humidity: 25%~95% (non condensing)
Atmospheric pressure: 700hPa~1060hPa
Transportation and storage:
Temperature: -20°C~+55°C
Relative humidity: 25%~95% (non condensing)
Atmospheric pressure: 500hPa~1060 hPa

Recorder

Recording way: Thermal dot array
Horizontal resolution: 40 dots/mm
Vertical resolution: 8 dots/mm
Recording speed: 5 mm/s, 6.25 mm/s, 10 mm/s,
12.5 mm/s, 25 mm/s, 50 mm/s, error: ±3%
Record width: 215mm (the effective record width of the
device is 210mm)
Paper: : 210mm×140mm×20m (Z type)
Paper type: Folded thermosensitive printing paper
Recording type: more than 10 kind of printing methods
(Auto: 3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 12×1,
12×1_V6; Manual: 3 path, 6path, 12path, Rhythm:
single-lead, three-leads, R-R: R-R)

Display of ECG Collection

Signal input: 12-lead, defibrillator-proof, Pacemaker
pulse rejection
Degree of protection against electric shock: 4000V,
Type CF applied part
Electrode offset potential: ± 600 mV
Response to frequency: 0.05Hz-200Hz(-3dB)
Baseline filter: On/Off
ECG filter: 25Hz, 35Hz, 45Hz, Close
Lowpass filter: 75Hz, 100Hz, 150Hz, 200Hz, Close
Frequency filter: Off/On
Gain selection: 2.5, 5, 10, 20, 40, 10/5, AGC (mm/mV)
Gain accuracy: ≤5%
Time base selection: 5 mm/s, 6.25 mm/s, 10 mm/s,
12.5 mm/s, 25mm/s, 50mm/s
Input impedance: ≥50MΩ
Current of input loop: ≤15n A
Patients leakage current: ≤10 μ V
CMRR: ≥110 dB (with AC filter open)
Time for response to wave displaying: ≤5s
Time for baseline recovered after switching leads: ≤1s
Defibrillator-proof: 5000V 360J
Recovering time for defibrillator-proof ≤5 s
Energy reduced ≤10%
Voltage transfer ≤1V
Standard complied with: IEC 60601-2-25