

high-resolution & high-frequency data sampling realize that waveforms display accurately

Compact. Portable

Touch Screen make operation more simply and more rapidly



## Features

- ✓ 4.3" color LCD touch screen.
- ✓ High-resolution & high-frequency data sampling realize that waveforms display accurately.
- ✓ Innovative digital filters ensure better performance.
- ✓ High-precision data saving ensures the accuracy of follow-up data analysis.
- ✓ Built in 80mm reel type thermal printing mechanism.
- ✓ Support external printer and barcode scanner.
- ✓ Automatic measurement and interpretation passed the test of authoritative CES database.

## Data saving

- ✓ Support data saving by internal memory, U disk.
- ✓ Support data transferring & reviewing & reanalyzing.

## Improved Performance

- ✓ Adapt Innovative digital filters for better performance.
- ✓ Fast-speed baseline correction algorithm rapidly stabilize baseline.
- ✓ Adapt 24-bit high-resolution data sampling.
- ✓ Adapt 1000Hz high-frequency.
- ✓ 24-bit high-accuracy data saving ensure the accuracy of follow-up data analysis.
- ✓ Synchronization analysis for 12 lead waveforms, supporting report preview & report format adjustment.



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# Technical Specification

## Size and Weight

Size: 315mm × 215mm × 75mm  
Weight: 1.6 kg

## Display

Type: 4.3", 480×272 TFT LCD

## Power supply

Input voltage: AC:100V~240V, 50Hz/60Hz  
Input power: 80VA  
Standard: Comply with IEC 60601-1 and IEC 60601-1-2

## Battery

Type: Rechargeable lithium-ion battery  
Rated Voltage: 11.1V  
Capacity: 2000mAh  
Operating time: Used continuously for 4 hours  
(print 150 shares of cardiogram)  
Indication of battery capability: With

## Input/Output Specification

Keyboard: 6 function keys, 4 direction keys,  
1 confirm key, 1 power key  
Standard touch-screen connector (4 lines)  
USB connector: 1 x USB Host Support hot-swap,  
connects USB device

## Data Storage

Fixed Memory: 200 groups of ECG data  
Optional Memory: U disk  
Storage mode: Background storage automatically  
Storage format: PDF, DAT

## 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

## 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: 80mm (effective record width is 72mm)  
Paper: 80mm×20m (reel)  
Paper type: Reel thermosensitive printing paper  
Recording precision: ±5% (X axes), ±5% (Y axes)  
Recording type: Auto (4×3, 3×4+1, 3×4, 2×6, 3-2+1, 3-2),  
Manual (Manual1, Manual 2, Manual 3, Manual 4),  
Rhythm (single-lead rhythm, three-lead rhythm)

## 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: ±500 mV  
Response to frequency: 0.05Hz-150Hz  
Baseline filter: On/Off (0.05Hz)  
ECG filter: Off, 25Hz, 35Hz, 45Hz  
Lowpass filter: 75Hz, 100Hz, 150Hz  
Gain selection: 2.5, 5, 10, 20 (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 (10Hz)  
Current of input loop: ≤15n A  
Patients leakage current: ≤10 μ A  
CMRR: ≥110 dB (with AC filter)  
Time for response to wave displaying: ≤5s  
Time for baseline recovered after switching leads: ≤1s  
Defibrillator-proof: 5000V 360J

## Environmental Specifications

Operating:  
Temperature: 5°C~40°C  
Relative humidity: ≤85% (non condensing)  
Atmospheric pressure: 700hPa~1060hPa  
Transportation and storage:  
Temperature: -20°C~+55°C  
Relative humidity: ≤93% (non condensing)  
Atmospheric pressure: 500hPa~1060 hPa