



Experience the Trace Quality

TWELVE CHANNEL ECG RECORDER
CARDIART 9108



Happier Living Everyday





New ECG
trolley option
available



Twelve Channel ECG Recording

Simultaneous 12-channel ECG recording with 10-lead acquisition



High Resolution Foldable Display

5.7 inch high resolution foldable display enables the easy viewing of patient demographics and real time ECG data option



Ease of Operation

The user-friendly design of the machine ensures easy operation



QWERTY Alphanumeric Keyboard

Ensures the freedom of easy use



Easy measurement and Interpretation

Built-in ECG parameters measurement and interpretation



External Archiving

Supports external archiving devices such as USB drive for virtually unlimited ECG data storage



Pace maker detection

This feature ensures recognition of pacing signal artifacts



Print Mode

Different print modes include pre-sample, real-time sample, period sample and arrhythmia triggered sample



Internal Memory

Has an Internal Memory, which can store up to 800 ECG recordings



Built-in Rechargeable Battery

High performance Li-ion rechargeable battery enables mains independent operations and provides battery use after charging



Trolley

Custom trolley available as an option



Connectivity

Optional PC interface software to access HIS/EMR/PACS



Enhanced ECG diagnosis made possible with superior trace quality

Product Specifications

General	
Display	5.7 inch single color LCD Display
Weight	approx.5.0kg (11.0 lbs)(Excluding recorder paper and battery)
Dimension	420mmx330mm x105mm
Communication Interface	Ethernet, RS232, USB
Power Supply	
Power Supply	100V-240VAC, 50Hz/60Hz
Battery	Built-In Rechargeable 14.8V, Li-Ion Battery, 2500 mAh
Battery Life	When the battery is fully charged, Cardiart 9108 can work normally about 5 hours, and it can continually print about 1.5 hours in the manual mode or print about 300 ECG reports of 3×4+1R in the auto mode.
Environmental	
Transportation and Storage	Temperature: -20°C ~ +55°C Relative Humidity: 25%~93%, Non-Condensing
Working	Temperature: +5°C ~ +40°C Relative Humidity: 25%~80%, Non-Condensing
HR Recognition	
Technique	Peak-peak detection
HR Range	30 BPM ~300 BPM
Accuracy	±1 BPM
ECG	
Leads	12 standard leads
Acquisition Mode	simultaneously 12 leads
A/D	24 bits
Resolution	2.52uV/LSB
Time Constant	≥3.2s

Product Specifications

Frequency Response	0.05Hz ~ 150Hz (-3dB)
Gain	2.5, 5, 10, 20, 10/5, AGC (mm/mV)
Input Impedance	≥50MΩ (10Hz)
Input Circuit Current	≤0.01μA
Input Voltage Range	≤±5 mVpp
Calibration Voltage	1mV±2%
DC Offset Voltage	±600mV
Noise	≤12.5 μVp-p
Multichannel crosstalk	≤0.5mm
Filter	AC Filter: On/Off DFT Filter: 0.01Hz/0.05Hz/0.15Hz/0.25Hz/0.32Hz/0.5Hz/0.67Hz EMG Filter: Off/25Hz/35Hz/45Hz LOWPASS Filter: 300Hz/270Hz/150Hz/100Hz/75Hz
CMRR	≥123dB
Sampling Frequency	16000Hz
Anti-baseline Drift	Automatic
Heart Rate Range	30-300 bpm, ±1 Bpm
Pace Maker Detection	
Amplitude	±2 to ±700 mV
Width	0.1 to 2.0 ms
Sampling Frequency	16,000Hz / Sec/ Channel
Printer	
Recorder	Thermal printer
Record Paper	Folded thermal paper: 210mm×295mm×100pages Folded thermal paper: 215mm×280mm×100pages (Optional) Rolled thermal paper: 210mm×30m (Optional)
Print Modes	Manual: 3, 6 and 12, Auto: 3x4,3x4+1R,3x4+3R,6x2,6x2+1R,12x1
Rhythm	Single lead and three lead
R-R Mode Analysis	R-R histogram and R-R trend
Recorder Paper	Folded thermal paper: 210mm×295mm×100pages
Paper Speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s (±3%)
Standard Accessories	
Patient Cable	1 no.
Chest Electrodes	6 nos.
Limb Electrodes	4 nos.
Power Cord	1 no.
Cardi-Jelly Bottle	1 no.
Paper Roll	1 no.
User Manual	1 no.

*Technical specification subject to change

ISO 13485:2016 CERTIFIED COMPANY
ISO 9001:2015 CERTIFIED COMPANY

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