

# Specification: CM1200A



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# 12-channel Electrocardiograph CM1200A



## Safety Standards:

ISO 13485:2016 approved, CE marking according to MDD93/42/EEC, IEC60601-1, IEC 60601-2-25, IEC 62304, ANSI/AAMI EC-11, Class I, with internal power supply, CF type, with defibrillation proof function

## Physical Characteristics:

Product Size: 410mm×316mm×135.8mm  
Net Weight: 5.2kg

## Operation Environment:

Working  
Temperature: 0-40°C  
Humidity: ≤93%  
Power Supply: 100-240V~, 50/60Hz±1Hz  
Battery Type: Rechargeable Lithium-ion battery  
Battery Capacity: 4400mAh  
Battery Recharging  
Time: Maximum 6 hours for charging;  
Battery backup: 2 hours for continuous working  
Display: 8.4" color LCD touch screen  
Resolution: 800\*600  
Trace: 12 waveforms

## Indicator:

Power indicator  
Battery indicator  
QRS beep  
Operating key sound  
Key backlight

## Interface:

Parameter cable interface  
AC power input socket

Two USB port  
RJ45 port

## Data storage

Standard 8G micro SD card for 40000 ECGs internal memory 300 patient case

## Power-off

storage: Yes

Network: Connected to PCECG by hardwire/wireless

## Display:

Parameter: Patient ID, gender, age, waveforms, recording/sweep speed, gain, EMG filter, HR, leads status, clock, information message,

Format: 3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 1×12, 1×12+T

Timing Power off: OFF, 1min, 5min, 10min, 30min

Keyboard: Available

## Recorder:

Type: Built-in; thermal array

Record width: 216mm/210mm

Speed: 5mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s

Printer Format: 3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 1×12, 1×12+T

External printer 3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R,

Format: 1×12, 1×12+T

Print information: Off, Basic, Detailed

Diagnostic 2 min review for all 12 leads waveform

Review: info.

## ECG:

Lead Type:	CardioTec™12-leads ECG Analysis
Lead selection	12-Lead I; II; III; aVR; aVL; aVF; V1-V6.
Gain Selection	2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV, 20/10mm/mV, 10/5mm/mV and AGC, the error is $\pm 2\%$ .
Sweep Speed:	5mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
Heart Rate Range:	30-300bpm
Resolution:	1 bpm
Accuracy:	$\pm 1\%$ or $\pm 1\text{bpm}$ (whichever is greater)
Drift Filter:	OFF, 0.05Hz, 0.10Hz, 0.20Hz, 0.50Hz
EMG Filter:	OFF, 25Hz, 35Hz, 45Hz
Low Pass Filter:	OFF, 75Hz, 100Hz, 150Hz
AC Filter:	OFF, 50Hz, 60Hz
Protection:	Withstand 4000VAC/50Hz voltage in isolation; Against electrosurgical interference and defibrillation;
Arrhythmia analysis:	122 Types

## Processing:

Acquisition Mode:	Real-time, Pre-sample
Frequency	
Response:	0.05Hz-150Hz: $\begin{pmatrix} + 0.4dB \\ - 3.0dB \end{pmatrix}$
CMRR:	$\geq 105\text{dB}$
Input Impedance:	$\geq 50\text{M}\Omega$
Digital Sampling	1000 (Single channel)
Rate	8000 (Eight Channel)
AD Conversion:	24Bits

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