

COMeN



H12 Twelve channel ECG

Physical Specification	
Dimension	305mm×228mm×74mm
Weight	4Kg (including main unit, recorder and battery)
Display	10.4 inch LCD color touch screen with resolution of 800*600 pixels
Environment specification	
Work Temperature	5℃～40℃
Transport and storage Temperature	-20℃～60℃
Relative Humidity	≤93%
Atmospheric Pressure	700hPa～1060hPa
Must avoid severe shock ,vibration, rain and snow during transport	
Power supply	
Rated voltage	100-240V～
Rated frequency	50Hz/60Hz
Rated input power	100VA
Specifications	14.8V 3100mAh
Charge time	Under ambient temperature of 25℃±5℃, charge to 90% for less than 3 hours and charge to 100% for less than 4 hours.
Discharge time	For a fully charged battery under ambient temperature of 25℃±5℃, the electrocardiograph should print at least 500 ECG reports, or conduct recording with no record paper for at least 6 hours.
Recorder	
Recording Method	Thermal dot-matrix printing
Record Paper	210mmX140mm-150P(20M) folded thermosensitive neutral paper with black label
	210mmX150mm--200P Folded thermosensitive paper
Print Speed	Manual and VCG mode: 5 mm/s, 6.25 mm/s, 10mm/s, 12.5 mm/s, 25mm/s, 50mm/s
	Auto and Rhythm: 25mm/s、 50mm/s
Storage (optional)	
ECG	[BMP],[JPG],[PDF],[SCP],[XML],[DICOM]
Main unit	
Input Method	With defibrillator-proof protection
Leads	Standard 12 leads
HR measurement range	30～300bpm
Accuracy	±1bpm or ±1%, which is the larger
HR Calculation method	Peak detection
12-lead	I、II、III、aVR、aVL、aVF、V1、V2、V3、V4、V5、V6

Electrode off indication	Automatic detection display
Sensitivity	2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV, 20/10mm/mV, 10/5 mm/mV and AGC. The default sensitivity is 10mm/mV. Error: $\pm 2\%$
Noise Level	$\leq 15 \mu V_{p-p}$
Acquisition mode	Pre-acquisition or post-acquisition, provide 10 seconds of instantaneous ECG acquisition
Display data	Heart rate, patient ID, clock, battery power indicator, waveforms, lead labels, speed, gain and filter settings, warning messages, information messages, prompts. 12-leads standard display.
Supported patient information	Patient ID, secondary ID, age, date of birth, gender, Alphanumeric entry in T9 type for patient ID and secondary ID.
lead resting ECGs with 10	second duration as a standard feature Hookup Advisor™: Provides visual indication of signal quality Multi
Input Circuit Current	$\leq 50nA$
Input Impedance	$\geq 50M\Omega$
Anti-interference performance	$\geq 105dB$
Effective Sampling	No less than 1000 samples (or 1kHz) per second
Time Constant	$\geq 5s$
Filter	AC Filter: 50Hz, 60Hz, OFF
	DFT Filter: OFF, 0.05Hz, 0.10Hz, 0.20Hz, 0.50Hz
	EMG Filter: 25Hz, 35Hz, 45Hz, OFF
	LOWPASS Filter: OFF, 75Hz, 100Hz, 150Hz
A/D Switching	24bits
Measurement Range	$\leq \pm 5mv$
Frequency Characteristics	$0.05Hz \sim 150Hz \begin{pmatrix} + 0.4dB \\ - 3.0dB \end{pmatrix}$
Stand Voltage	Applying $\pm 650mV$ d.c. polarization voltage, the range of sensitivity is $\pm 5\%$ .
Calibration Voltage	$1mV \pm 1\%$
Multichannel crosstalk	$\leq 0.5mm$
Pacemaker Pulse Measurement	$\pm 2mv \sim 700mv$ $0.1 \sim 2ms$
Amplitude Quantisation	$0.3\mu V/LSB$
The response time of exiting standby status is less than 10s.	

CFDA CE 0120



Specifications subject to change without notice

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