



Twelve Channel ECG Machine KEC-C100

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Twelve Channel ECG Machine KEC-C100 is equipped with high resolution 6" LCD auto-backlit color screen with 6° wide angle display. The system performs 12-lead ECG simultaneous acquisition with Auto, Manual and Analysis operational modes with multi-print facility. Equipped with digital filters for noise, baseline drift & muscle tremor to deliver accurate and systematic print results. Ergonomic soft keys with one touch operation.

Features:

- 12-lead ECG simultaneous acquisition
- Selectable ECG report formats (Standard/Cabrera)
- Selectable modes (Auto/Man/Ana/Multi)
- PC based data management software
- 9 Export formats with print preview facility
- Digital filters eliminate noise, motion artifacts and prevent baseline drift
- Patient data storage expandability up to 1008 ECGs with SD card
- Alarms for lead-off and low battery conditions
- USB and RS232 connectivity with PC for data transfer

Applications:

Used in clinics, hospitals & emergency wards to diagnose and detect symptoms of various heart disease and arrhythmias, determine a patient's response to drug therapy, and reveal trends or changes in heart function.

Specifications :

A/D Converter	12 bit
Acquisition Mode	12 lead parallel
ADS Filter	(0.15 Hz - 0.50Hz) Auto
Anti-Baseline Drift	Auto
Built-in Battery	Rechargeable Lithium
Built-in Storage	Up to 1008 ECGs
Calibration Voltage	1 mV $\pm$ 2 %
Channel Display	12 CH
CMRR	$\geq$ 100 dB
Connectivity	RS-232 port/ USB/Wireless (Optional)
Depolarization Voltage	$\pm$ 500 mV
Dimension	345 mm x 300 mm x 80 mm
EMG Filter	35 Hz $\sim$ 45 Hz (- 3 dB)
Expandable Storage	Up to 1008 ECGs
Frequency Response	0.05 Hz to 165 Hz
HUM Filter	50 Hz/60 Hz (-20 dB)
Input Circuit	Floating, protection against Defibrillator & Pacemaker
Input Circuit Current	$\leq$ 50 nA
Input Impedance	$\geq$ 50 M Ω
LCD Display	6" Real-time display
Leakage Current	10 μ A
Noise Level	15 μ Vp-p
Paper Speed	5 / 6.25 / 10 / 12.5 / 25 / 50 (mm/s)
Paper Width	210/216 mm
Power supply	AC: 110/240 V, 50/60 Hz DC: 19 V/3.5 A Battery: 14.4 V/4400 mAh
Safety Standard	IEC Class I, Type CF
Sensitivity	2.5, 5, 10, 20, 40 (mm/mV), Auto
Time Constant	$>$ 3.2 s

Weight	3.5 Kgs
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Guangzhou Nano Medical Equipment Co., Ltd. 407, No. 1 Qingbu Street, Xinya Street, Huadu District, Guangzhou,
Guangdong, China

Email: info@nanomed.cc | Website: www.nanomed.cc