



Three Channel ECG Machine KEC-A100

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Three Channel ECG Machine KEC-A100 is equipped with a high resolution LCD color screen for optimal waveform display. KEC-A100 performs 12-lead ECG simultaneous acquisition with 3 operational modes namely Auto, Manual and Analysis. It ensures optimal safety against defibrillators and pacemakers. It is equipped with digital noise & EMG filters to deliver accurate results along with automatic baseline drift prevention facility for systematic print results.

Features:

- 12-lead ECG simultaneous acquisition
- Selectable ECG report formats (Standard/Cabrera)
- Selectable print modes (Auto/Man/Ana)
- Digital filters eliminate noise, motion artifacts and prevent baseline drift
- Alarms for lead-off and low battery conditions
- Network connectivity with PC for data transfer (Optional)

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 - 0.50 Hz) Auto
Anti-Baseline Drift	Auto
Built-in Battery	Rechargeable Lithium
Calibration Voltage	1 mV $\pm$ 2%
Channel Display	3 CH
CMRR	$\geq$ 100 dB
Connectivity	RS-232 serial port
Dimension	345 mm x 300 mm x 80 mm
EMG Filter	35 Hz $\sim$ 45 Hz (- 3 dB)
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	192 x 64 Graphic
Leakage Current	10 μ A
Noise Level	15 μ Vp-p
Paper Length	20 mm
Paper Speed	5 / 6.25 / 10 / 12.5 / 25 / 50 (mm/s)
Paper Width	63 mm
Power supply	AC: 110/220 V, 50/60 Hz, 85 V $\sim$ 265 V (optional) DC: 14.4 V
Safety Standard	IEC Class I, Type CF
Sensitivity	2.5, 5, 10, 20, 40 (mm/mV), Auto
Time Constant	$\leq$ 3.2 s
Weight	2.5 Kgs



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