

Care Vision 303i

Compact 3-Channel Electrocardiograph



Easy-To-Use, Cost-Effective
With Fast and Advanced ECG Analysis



Features

- Simultaneous acquisition of up to 12 leads
- Real-time continuous recording of 3, 6 channels
- Color TFT LCD for ECG waveform, messages and setup menu
- Data storage in internal memory / Optional data storage on SD Card
- Stored ECGs can be exported via RS-232, LAN and SD Card to PC (with ECG Management System software) for printing and archiving
- Easy and fast firmware upgrade through USB memory stick
- Z-fold and Rolling paper, both are available



Care Vision Health Care Pte. Ltd.

303i

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Display	
Type	4.3inch Color TFT LCD
Resolution	480 X 272 dots
Computerized Electrocardiograph	
ECG Storage	Basic- 100ECGs(typical), Option - 5,000ECGs in SD Card
Acquisition & Analysis	12Leads Simultaneously
Dynamic Range	AC differential \pm : 5mV, DC offset: \pm 300mV
Sampling Rate	2000 samples/second/channel
Frequency Response	0.04 to 150Hz
Common Mode Rejection	\geq 100dB
Input Impedance	\geq 10M Ω
Communication	PC communication with RS232 interface and LAN
Firmware Upload	Use the USB memory stick
Filter	AC 50/60Hz Low Pass Filter: 40, 100, 150Hz Baseline Filter: 0.05, 0.16, 0.3, 0.5Hz Muscle Filter/25 or 35Hz AFS Anti Floating System
Lead-Fail Detection	Lead fail alarming of each electrode by visual and sound warning
Pacemaker Pulse Detection	LCD preview and indication on recording paper of pacemaker pulse
Writer	
Type	Thermal dot array(Voltage axis: 8dots/mm, Time axis 16dots/mm)
Speeds	5, 10, 25, 50mm/sec
Number of Traces	3 or 6 user selectable
Sensitivity / Gain	5, 10, 20mm/mV
Speed Accuracy	\pm 5%(Maximum)
Amplitude Accuracy	\pm 5%(Maximum)
Paper Type / Size	Z-fold: 80mm X 80mm(300sheets/pack, Roll: 80mm X 30m)
Electrical	
Power Supply	AC or Battery operation
AC input	100 ~200VAC 50/60Hz 70VA
Fuses	Qty.2,250 Vac T6 3AL IEC(5 X 20mm)
Battery Type	9.6V Rechargeable Ni-MH, 2,700mAh
Battery Capacity	Charging Time: 6 hours, Standby Time: 2 hours, Printing: 100 recordings(Normal Condition)
Physical	
Dimension	311mm x 242mm x 85mm
Weight	2.5kg including battery/without paper
Environmental	
Operating Condition	Temperature range 10~ 45°C Humidity range 20%-95%(not condensing) Atmosphere Pressure 700 to 1060 hPa
Storage /Transportation Condition	Temperature range 15-50°C Humidity range 20%-95%(not condensing) Atmosphere Pressure: 500 to 1060 hPa
Safety	
Type of protection against electrical shock	Class I, internally powered
Dust and water resistance	IPX0
Patient mode of operation	Continuous
Patient leakage current	< 10 μ A
Degree of protection against electrical shock	Type CF with defibrillation protection
Maintenance frequency	Daily visual inspection and routine cleaning.(if needed) performed by user. Use a commercially available, industrial strength did infectant cleaner on any part of the equipment(other than electrodes) which comes into direct contact with the patient. Every six months routine maintenance checks and test performances are recommended.
Certification	
	Certified IEC60601 - 1 CE marking for council Directive 2007/47/EC concerning Medical Devices meets applicable 1EC60601-2-25,1EC60601-2-51 requirements