

cardioWRITER™ CW82x

3 Channel 12 Lead Electrocardiograph



Intuitive Diagnostic Electrocardiograph

- 5 or 12 Lead ECG
- 3 channels real time thermal printer
- Simultaneously acquisition of 12 Lead ECG
- User friendly operation with several display and printout modes
- 4.3" TFT Color Display capable of displaying all 12 Leads simultaneously
- Internal rechargeable battery with 4 hours of operation
- Easy to navigate menu
- Automated ECG Analysis

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Technical Specifications

ECG

Leads: Standard 12 Leads ECG
Inputs: Floating with defibrillation protection
Patient Leakage current: < 10 μ A
Input Impedance: > 50M Ω
Frequency Response: 0.05Hz ~ 150 Hz (-3dB)
Time constant: > 3.2S
CMRR: > 110dB (with AC filter)
Noise level: $\leq$ 15 μ Vp-p

Heart Rate

HR measurement range : 30 ~ 350 bpm
Accuracy: $\pm$ 1bpm (averaging time: 10s)

Recording

Recorder: Thermal dot-matrix printer
Record Paper: 80mm width thermo-sensitive paper roll
Resolution: Vertical 8 dots/mm
Horizontal 40 dots/mm
Paper speed: 5, 6.25, 10, 12.5, 25, 50 mm/S
Error: $\pm$ 3%
Accuracy: $\pm$ 5% (X axis)
 $\pm$ 5% (Y axis)
Recording formats: Manual, Auto 4x3 Auto 3x4+1,
Auto 3x4, Auto2x6+1, Auto 2x6,
Auto 3x2+1, Auto3x2, Rhythm

Memory Storage

Internal memory: 100 groups ECG data
External memory: SD card or U disk

Safety Standards

MDD93/42/EEC, IEC60601-1, EN 60601-1-4, IEC60601-2-25,
EN 60601-2-51, EN ISO14971, EN 55011, ANSI/AAMI EC-11
Classification: Class I with internal power supply
Isolation class: Type CF
Protection against harmful ingress of liquids:
Sealed equipment without liquid proof
Working mode: Continuous operation
EMC: Group I, type A
Isolation Voltage: 4000V

Mechanical

Dimensions: 12.4"(315) $\times$ 8.5"(215) $\times$ 2.9"(75) (mm)
Weight: 3.5Lb(1.6) (kg)
Display: 4.7" TFT LCD
Resolution: 480x272

Environment Operation

Temperature: 41°F (5°C) ~ 104°F (40°C)
Relative Humidity: 15% ~ 85%
Atmospheric Pressure: 700hPa ~1060hPa
Storage and Transport
Temperature: -4°F (-20°C) ~ 131°F (55°C)
Relative Humidity: 10% ~ 93%
Atmospheric Pressure: 500hPa ~1060hPa

Power Supply

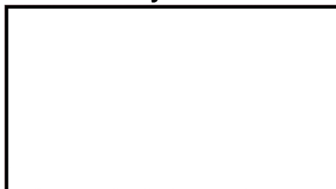
Mains Supply:
Input voltage: 100Vac~240Vac
Frequency: 50/60Hz
Built-in Lithium-Ion Battery Pack: 11.1V / 2000 mAh
Power Consumption: 35VA (max)



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