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 μA
- Input Impedance: > 50kΩ
- Frequency Response: 0.05Hz ~ 150 Hz (3dB)
- Time constant: > 3.2S
- CMRR: > 110dB (with AC filter)
- Noise level: ≤ 15μVp-p

### Heart Rate
- HR measurement range: 30 ~ 350 bpm
- Accuracy: ± 1bpm (averaging time: 10s)

### Recording
- Recorder: Thermal dot-matrix printer
- Record Paper: 80mm width thermo-sensitive paper roll
- Resolution: Vertical 8dots/mm
  - Horizontal 40 dots/mm
- Paper speed: 5, 6.25, 10, 12.5, 25, 50 mm/S
- Error: ≤ 3%
- Accuracy: ± 5% (X axis)
  - ±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 ingestion of liquids:
  - Sealed equipment without liquid proof
- Working mode: Continuous operation
- EMC: Group I, type A
- Isolation Voltage: 4000V

### Mechanical
- Dimensions: 12.4"(315)x8.5"(215)x2.9"(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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[Image of the device]

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