Semi-Automated External Defibrillator CU-SP2

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Medical Systems, Inc.

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SEMI-AUTOMATED EXTERNAL DEFIBRILLATOR CU-SP2

DESCRIPTION

This device is a semi-automated external defibrillator that can be administered on sudden cardiac arrest (SCA) patients. CU-SP2 is an easy-to-use Semi-Automated External Defibrillator (AED) that is small, light, and portable, and uses a battery. The AED automatically or manually reads the sudden cardiac arrest (SCA) patient's electrocardiogram (ECG) and determines if a cardiac arrest that requires defibrillation has occurred, so that licensed emergency medical technicians, medical professionals and the general public can easily operate it. SCA can occur anytime to anyone at any place and may threaten the patient's life if the appropriate CPR and/or electric shock with a defibrillator are not applied within a few minutes.

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FEATURES
• Ambient noise detection [Auto volume adjusting]
• Easy-to-use & manage Electrode (Displaying Life expectancy of Electrode)
• Graphic LCD Status Indicator (Device, Pads & Battery)
• Selectable Voice guide for both Lay Rescuer and Healthcare Provider
• ECG monitoring or multi-printing via Bluetooth communication

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SPECIFICATIONS

Product Exterior
• Dimension: 260 x 256 x 70 mm (Width x Length x Height)
• LCD: 5inch wide, 480×272 16bit
• Weight 2.4? (Including the battery pack and pads).

Defibrillator
• Operation Type:
    • Dual Mode (semi-automated, manual) External Defibrillator
• Output Type:
    • E-Cube Biphasic (Truncated exponential type) Output Energy
• AED Mode:
    • 150J±4J, 200J±6J at 50? load for adults, 50J±2J at 50? load for children
• Manual Mode (Optional):
    • 2J±1J, 3J±1J, 5J±1J, 7J±1J, 10J±1J, 20J±2J, 30J±2J, 50J±2J, 70J±2J, 100J±4J, 150J±4J, 200J±6J at 50? load.

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Self-Diagnostic Test
• Auto Power Self-Test / Real-time Self-Test
• Daily / Weekly / Monthly Self-Test
• Manual Battery Pack Self-Test (performed when the user inserts the battery pack)

ECG Analysis System
• Analyzes whether the rhythms of the patient's impedance and ECG require
 a defibrillation
• Measured Impedance Range 25? ~ 175?

Battery
• Battery Type: 12V DC, 111.1V DC, 1.9Ah Li-ion, Rechargeable
• Capacity: For fully charged new batteries, at least 60 shocks
 or 3 hours of operation at 25°C (77°F)
• Standby Life (After Inserting the Battery): If stored and managed in accordance
 with instructions in the document: At least 2 years from the date of installation
 into the i-PAD CU-SP2

Temperature Ranges for Storage and Use
• Operating Environment: 0°C ~ 43°C (32°F ~ 109°F)
• Storage Environment: Temperature: -20°C ~ 60°C (-4°F ~ 140°F).

Electrode
• Adult Electrode Area: 110 cm2
        • Cable Length: Total 120cm (Internal: 95cm, External: 25cm)
• Pediatric Electrode Area: 50 cm2
        • Cable Length: Total 120cm (Internal: 80cm, External: 40cm)

Data Storage and Transfer
• Data Storage:
 Saves 3 events on the internal memory (up to 17 hours per event)
• SD Card:
 Stores the ECG and event data from the device's internal memory through the
 PC software (CU-Expert)
• Bluetooth:
 Uses Bluetooth to communicate with the Printer or the CUEM1 (ECG
 transmission device)

Standard Package
Device(1), Adult Pads(1), Rechargeable Battery (1), Battery Charge Dock(1),
CU-EM1(1), Printer(1), Printer Paper(10), SD Card(1), CU-Expert (1), Carrying Case(1),
User's Manual(1)

Optional Accessories
Pediatric pads(1), Disposable battery(1), IrDA Adapter(1)
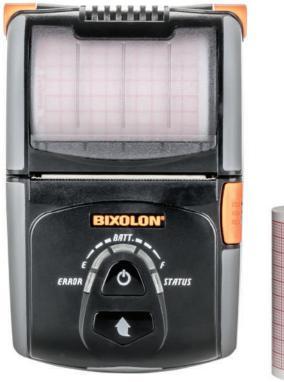
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DEFILBRILLATOR BLUETOOTH 3 LEAD ECG MODULE

iPAD SP2 AED Defibrillator Bluetooth 3 Lead ECG Module for continuously monitoring patients, even in difficult situations or environments. The Bluetooth connection with the SP2 reduces the risk of wire entanglement or detachment.

Key product features:
• Bluetooth 3 Lead ECG Monitoring for use with the iPAD SP2 defibrillator

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BLUETOOTH THERMAL PRINTER

iPAD SP2 AED Defibrillator Bluetooth Thermal Printer for use with the iPAD SP2 defibrillator unit. Using the Bluetooth connection of the SP2 defibrillator means a full or partial printout of the defibrillator readings when required, regardless of the scene, or scenario.

This rechargeable printer offers a method of immediately providing a permanent record of the event. With a meter to allow you to check the current charge left in the device, a manual feed option as well as an error status indicator which will notify you of any faults with the printer. The paper used on this device is also compatible with the other CU Medical products (HD1 and ER Ranges).

Key product features:
• Bluetooth Thermal Printer
• Rechargeable via the mains adapter
• Range of 10m between itself and the SP2 via Bluetooth connection

MULTI-FUNCTIONAL ELECTRODE PADS (ADULT & CHILD)

The iPAD Multi-functional Electrode Pads (Adult & Child) are for use with the iPAD SP1 & SP2 Defibrillators only. They can be used on both adults and children.

Key product features:
• Multi-functional defibrillation pad - adult size but can be used on paediatric patients through iPAD SP1 switch
• Detailed instruction for use shown on packet
• Single use
• Latex free

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ORIGINAL LITHIUM BATTERY

Original Lithium battery for CU Medical Systems CU-SP Serie Long Life - type CUSA1103BB, iPAD CU-SP1, iPAD CU-SP2 - 12 Volt 4,2 Ah - approx. dimensions in mm 166x62x36 - approx. weight 0,321 kg
not rechargeable

Key product features:
• Voltage: 12,0
• Capacity: 4,2

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