

Automated External Defibrillator

IPAD CU-SP1 AUTO



Medical Systems, Inc.



AUTOMATED EXTERNAL DEFIBRILLATOR

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DESCRIPTION

CU-SP1 AUTO is an easy-to-use Fully Automated External Defibrillator (AED) that is small, light, and portable, and uses a battery. The AED automatically reads the patient's electrocardiogram (ECG) and determines if a cardiac arrest that requires defibrillation has occurred, so that both medical professionals and the general public can easily operate it. Cardiac arrest 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.



The IPAD CU-SP1 AUTO is a Fully automated external defibrillator (AED). If connected to a patient, the IPAD CU-SP1 AUTO automatically acquires and analyzes the electrocardiogram (ECG) of the patient for the presence of Ventricular Fibrillation or Ventricular Tachycardia (also known as shockable rhythms). If a shockable rhythm is detected, the device automatically charges itself. After charging is completed, the equipment delivers an electric shock automatically. The IPAD CU-SP1 AUTO is easy to use. It guides the you throughout a rescue operation using voice prompts and indicators (LED and graphical indicators). The IPAD CU-SP1 AUTO is small, light, highly portable, and battery powered. It is highly suitable for use in public, out-of-hospital settings.

FEATURES

- Ambient noise detection [Auto volume adjusting]
- Easy-to-use & manage Electrode (Displaying Life expectancy of Electrode)
- CPR guide & Detection.



SPECIFICATIONS

Product Exterior

- Dimension: 260 x 256 x 70 mm (Width x Length x Height)
- Weight: Appr. 2.4kg (Including battery pack and pads) .

Defibrillator

- Operating Mode: Semi-automated, Full-automated(NF1201)
- Waveform: e-cube biphasic (Truncated exponential type)
- Output Energy: 150 J at 50 A load for Adults, 50 J at 50 A load for Children

Self-Diagnostic Test

- Auto
- Power On Self-Test, Run-time Self-Test
- Daily, Weekly, and Monthly Self-Test
- Manual
- Battery Pack Insertion Test (done when the user inserts the battery pack into the battery pack compartment of the device).

ECG Analysis System

- Function: Determines the impedance of the patient and evaluates the ECG of the patient to determine whether it is shockable or non-shockable
- Impedance Range: 25? ~ 175? .

Control Devices, Indicators, Voice Instructions

- Control Devices Power Button, i-Button, Shock Button, Adult/Pediatric Selection Switch
- Status LCD Displays device status, battery level and pads status
- CPR Detection Indicator: Lights if CPR is detected; flashes if CPR is not detected..

Disposable Battery Pack

- Battery Type: 12V DC, 4.2Ah LiMnO₂, Disposable
- Capacity: At least 200 shocks for a new battery or 8 hours of operating time at room temperature

Temperature

- Operating: Temperature: 0? ~ 43? (32? ~ 109?)
- Storage: Temperature: -20? ~ 60? (-4? ~ 140?).

Electrode

- Adult
 - Electrode Area : 110cm²
 - Cable Length: Total 120cm
- Pediatric
 - Electrode Area: 50cm²
 - Cable Length: Total 120cm.

Data Storage and Transfer

- Internal Memory Data Capacity:
 - 5 individual treatments, up to 3 hours per treatment
- IrDA: For PC communications
- SD Card External memory:
 - Data may be copied from the internal memory to the SD Card

Standard Package

Device(1), Adult Pads(1), Disposable Battery(1), Carrying Case(1), User's Manual(1).

Optional Accessories

Pediatric Pads(1), SD Card(1), CU-Expert software(1)



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