

IPAD CU-SP1 AUTO FULLY AUTOMATIC PUBLIC ACCESS AED



Key Features

Convenience

- Device and consumables status LCD screen for quick monitoring
- CPR metronome, voice guidance, and graphic instructions
- Data transfer by SD card or IrDA

Safety

- Automatic internal discharge
- Daily / weekly / monthly self-test
- Shock resistant carrying case
- Adult / pediatric mode change switch

Technology

- Fully-automatic e-cube biphasic defibrillation
- Combined adult / pediatric pads or dedicated pediatric pads support
- Automatic background noise analysis and device volume adjustment

The fully automatic version of the popular CU-SP1 public access AED. Ideal for first time rescuers and public locations. Its LCD screen allows for quick pads and battery status monitoring and helps ensure device readiness. Ambient noise detection and volume adjustment ensures CU-SP1 AUTO can easily and effectively be used by anyone.



IPAD CU-SP1 AUTO SPECIFICATIONS

Physical

Dimensions	260mm x 256mm x 69.5mm (Width x Length x Height)
Weight	2.4kg (Including the battery pack and pads)

Environmental

Operating Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% ~ 95% (non condensing)
Storage Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% ~ 95% (non condensing)
Transport Conditions	Temperature: -20°C ~ 60°C (-4°F ~ 140°F) Humidity: 5% ~ 95% (non condensing)
Altitude	0 to 15,000 feet (operational and storage)
Drop	Withstands 1.2-meter drop to any edge, corner, or surface
Vibration	Operating: Meets MIL-STD-810G Fig.514.6E-1 Standby: Meets MIL-STD-810G Fig.514.6E-2
Sealing	IEC 60529: IP55
ESD	Meets IEC 61000-4-2:2008
EMI (Radiated)	Meets IEC 60601-1-2
EMI (Immunity)	Meets IEC 60601-1-2

Defibrillator

Operating Mode	Fully automatic
Waveform	E-cube biphasic (Truncated exponential type)
Output Energy	150J at 50 Ω load for adults 50J at 50 Ω load for children
Charge Control	Controlled by an automated patient analysis system
Charging Time	Less than 10 seconds
Time from CPR to Shock	At least 6 seconds from the completion of CPR to shock delivery
Disarm	Patient's heart rhythm changes to non-shockable rhythm
Patient Isolation	Type BF

ECG Acquisition

Acquired ECG Lead	Lead II
Frequency Response	1 Hz to 30 Hz

ECG Analysis System

Impedance Range	25Ω to 175Ω
Shockable Rhythms	Ventricular Fibrillation or Fast Ventricular Tachycardia
Sensitivity and Specificity	Meets ANSI/AAMI DF80 guidelines

Controls, Indicators, and Prompts

Controls	Power Button i-Button Adult/Pediatric Selection Switch
Indicators	Do-Not-Touch-Patient Pads Patch Position Indicators Pads Connector Status Indicator CPR Detection Indicator Shock Button Blue i-Button Red i-Button
Speaker	Provides voice prompts
Beeper	Provides various audible indications
Battery Level	Shown on the Status LCD
Low Battery Indicator	Flashing red i-Button

Self-Test

Automatic	Power On Self-Test, Run-time Self-Test Daily, Weekly, and Monthly Self-Test
Manual	Battery Pack Insertion Test

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
Standby Life	At least 5 years from the date of manufacture
Temperature Ranges	Operating Temperature: 0°C ~ 43°C (32°F ~ 109°F) Storage Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Adult / Pediatric Defibrillation Pads

Surface Area	120cm ²
Cable Length	120cm
Shelf Life	At least 36 months from the date of manufacture

Pediatric Defibrillation Pads

Surface Area	85cm ²
Cable Length	120cm
Shelf Life	At least 30 months from the date of manufacture

Data Storage and Transfer

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