

Someone goes down in sudden cardiac arrest...
We invite you to have
a chance for saving lives.



CU Medical Systems, Inc.

You can make it!

Paramedic CU-ER1



CU's Paramedic Series AED (Automated External Defibrillators)

Designed to quickly and easily provide a life-saving defibrillation shock to restore normal heart rhythm to a cardiac arrest victim.

Paramedic(AED) is typically used by first responders such as police, fire and ambulance personnel, and are also being deployed at places where people gather or work, such as airplanes, airports, corporate offices, schools, shopping malls, stadiums and commercial office buildings.



e~cube Biphasic Technology

- ⓔ makes it *e*asy to compensate the patient's impedance variance
- ⓔ is more *e*fficient than monophasic technology
- ⓔ delivers *e*nough energy for restoring heart rhythm.

Paramedic CU-ER1

TECHNICAL SPECIFICATIONS

■ ECG Monitor

- Patient connection : Defibrillation Pads, ECG Electrodes
- Bandwidth : 0.3 to 30 Hz (-3 dB) – EMS Mode: 1 – 30Hz
- ECG size : 10mm/mV display on monitor (auto scaling)
- Heart rate : Digital 30 to 300 bpm (\pm 2%)

■ Defibrillator

- Operating mode : Semi automatic
- Waveform : *e-cube* biphasic (Truncated exponential type)
- Energy : 150J into a 50 Ω load (default setting)
Preprogrammed selection (150J-150J-180J, 150J-180J-180J)
- Charging time : Less than 10 seconds
- Recognition : Sensitivity and Specificity = 99.5%
(results from MIT-BIH ECG databases)
- Detection Level : > 0.1 mV ECG
- Defibrillation Electrodes : Multifunctional electrodes (Disposable)
Adult adhesive pads (Pre-gelled)

■ Voice & Text Prompts

- Voice & text prompts guide the user through the protocol.
- All the user interfaces are supported in local language for easy use and access

■ Data Storage & Management

- Internal flash memory : 10 hours of event and ECG recording
- SmartMedia flash memory card (32M) : 48 hours of event and ECG recording or 1 hour if voice recording is enable

■ Automatic Self-Test

- Power On Self-Test / Run Time Self-Test / Manual Test
- Periodic Self-Tests (daily / weekly / monthly)

■ Display

- Screen Type : High resolution display (Graphic LCD)
- Screen size : 4 inches (10.16 cm) diagonal, 320X240 pixels
- Sweep speed : 25mm/sec, nominal
- Viewing time : 3.2 seconds

■ Physical

- Size : 305 mm X 250 mm X 95 mm (L X W X H)
- Weight : Approximately 2.7kg
- Galvanic Protection : BF Type

■ AC Adapter

- Input : 100 – 240V AC 50-60Hz 1.2A
- Output : +12V DC, 3.5A

■ Battery Pack

- 12V Nickel-Metal Hydride battery pack (Rechargeable)
- Charging time: 4 hours or more
- Ambient Charging Temperature : +10 °C to +35°C
- Capacity : when new, minimum of 200 shock deliveries (Full charged)

■ External Link

- UART port
- IrDA port

■ Optional Accessories

- Carrying Case
- Car Cigar Lighter Jack Power Code
- SmartMedia Card (32M)
- External Thermal Printer (Wire)
- Thermal Printer Paper
- UART Cable
- ECG Cable (2 lead)
- ECG Electrodes



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