

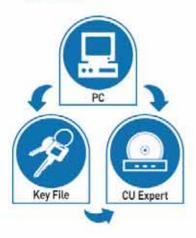
# Software CU-EX1



- · Patient and Data Management Software
- . Easy Data Communication between PC and Product [UART, IrDA]
- · Records ECG Data and Voice
- . Easy Printing by all kinds of Printers
- Data Communication with i-PAD, Paramedic, Lifegain and is Viewer.

CU-EX1 displays ECG data on the computer after receiving the data from i-PAD, Paramedic, Lifegain and i-Viewer. If you use CU-EX1, you are able to analyze, record and manage ECG data of the patients more efficiently.

#### Method

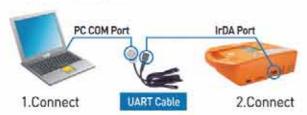








#### Method to connect UART cable for wire communication



#### Method to connect IrDA cable for wire communication



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# Intelligent PATIENT INFORMATION & CARE



LIFEGAIN





























# CU Medical Systems, Inc.

#### Company Overview

CU Medical Systems, Inc. is a high-technology medical device company that designs, develops, manufactures, and markets medical devices centered around one common characteristic: Intelligence

#### Mission

Our missions for our range of intelligent resuscitation and monitoring devices to become the standard tool for health and emergency organizations in their quest to save and preserve more lives.

#### Product Lines



This is our line intelligent Public Access Defibrillators that are designed for the general public who may be the first on the scene of a cardiac arrest. These devices come with simple and straightforward user interfaces-perfect for the general public that seldom use defibrillators.

#### Paramedic

This is our line of intelligent patient care devices that consist of defibrillators designed for advance users such as emergency responder and health care organization personnel. These devices are light-weight and easy to use-perfect for rescuers in and out of the hospital.

#### LIFEGAIN

These defibrillators are designed for hospital use. These may run either in Manual or AED mode. Aside from defibrillation capability, these devices usually come integrated with physiological monitors such as 12-lead ECG and SpO:. These features make this kind of defibrillators suitable for use by physicians inside a hospital.

# **Quality Credentials**

#### Corporate Quality Policy

Since we design, develop, manufacture, sell and service our brand-new Paramedic series and AED and other products as well, we put a lot of importance on the quality of our products and services. It is our way of showing to our partners and customers not only concern for safety and reliability but also our belief that quality is the key for long term success in business.

- Do it right the first time to eliminate costly rework
- Listen to and learn from customers and employees
- · Make Continuous improvement an everyday matter
- · Build teamwork, trust, and mutual respect

#### Quality Assurance

CU Medical Systems, Inc. continuously encourage quality improvement through Total Quality Management to consistently improve the safety and reliability of our products as well as quality systems. With these perspectives, CU Medical Systems, Inc. strives to comply with the rigorous quality sysytem regulations of the following organizations:

- ISO 13485 : 2003 (Europe) (with yearly inspections) EN46001 (Europe)
- Medical Device Directive (MDD 93/42/EEC) (Europe)
- Conformite Europeen ICE MARK! labeling
- · KFDA Quality Approval [Korea]
- JFDA Approval (Japan) -Paramedic CU-ER1
- FDA Approval (US) iPAD NF1200

#### Quality Achievements

It is gratifying when quality achievements come with official recognition from outside entities. In the past years, CU Medical Systems, Inc. has achieved and been honored with the following:



#### Excellent Korean Technology Mark (KT MARK) (June 11, 2003)

Development of automatic external defibrillator by utilizing entropy arrhythmia analysis algorithm Ministry of Science Technology



#### Excellent Machinery, Mechanism Materials Mark (EM MARK) (Aug 30, 2003)

ATS (Agency for Technology and Standards) Ministry of Commerce, industry Energy



#### Certificate of Excellent Quality Product (Oct 30, 2003)

Public Procurement Service, Republic of Korea



#### Won the 4th SMBA technological innovation prize for AED (Sep 24, 2003)

Small Medium Business Administration



#### Health Industry Technologies Exposition Korea 2003 Award [Dec 4, 2003]

Korea Health Industry Development Institute



#### Korean World-class Product Award 2005 (June 30, 2005)

Ministry of Commerce, Industry Energy



#### Leading company of regional Innovation Award 2005 [Oct. 5, 2005]

The Prime Minister, Presidential Committee on Balanced National Development.



## R52 IR52 Jang Young Shil Award 2008 [May 20th, 2008] : iPAD NF 1200

Korea Industrial Technology Association

# 1-PAD CU-SP1

(Intelligent Public Access Defibrillator)

Defibrillation capability for the general public

## Key Features

- · Ambient noise detection(Auto volume adjusting)
- · CPR detection
- · Pads and battery status indicator
- · Multi events recording
- · Easy communication with CU-EX1 software
- · Low cost of ownership

#### Specifications

#### DEFIBRILLATOR

- Model: IPAD CU-SP1
- Standard Package: Defibrillator, Pads, Battery, Manual
- Output Energy : Adult-150Joules / Pediatric-50Joules(Common usage)
- Charging Time
- Charging time: Less than 10 seconds
- Charging time after CPR finished : At least 6 seconds

#### User Interface

- User Support: Detailed voice prompts and flashing indicators
- CPR quidance : Voice prompts for how to perform CPR for adult and child patient
- Controls: On/Off button, I button, Shock button
- Indicator : LCD display(Device status, Battery status, Pads status)
- Sensing : Pads expiring date, Pads connection status
- CPR monitoring
- Automatic Volume adjusting

#### Enviorment

- Sealing :
- Wateriet proof IPX5 per IEC60529[IP55] Dust protected IP5X per IEC60529
- Temperature : Operation/Standby [0 ~43°C]
- Vibration : Meets MILSTD 810G
- Patient Analysis System
- Patient Analysis: Shockable rhythms [Ventricular Fibrillation, Ventricular Tachycardia]
- Sensitivity/Specificity: Meets AAMI DF80 Guideline
- Battery
- Standard Capacity: Type: DC 12 volt 2.8Ah, Lithium manganese dioxide
  - Capacity: Minimum 50 shocks(150J)
- High Capacity: Type: DC 12 volt 4.2Ah, Lithium manganese dioxide
  - Capacity: Minimum 200 shocks(150J)
- Lifespan: 5 years (high capacity battery)

(With the condition of the temperature of operation/standby, standby mode after the first initial check)

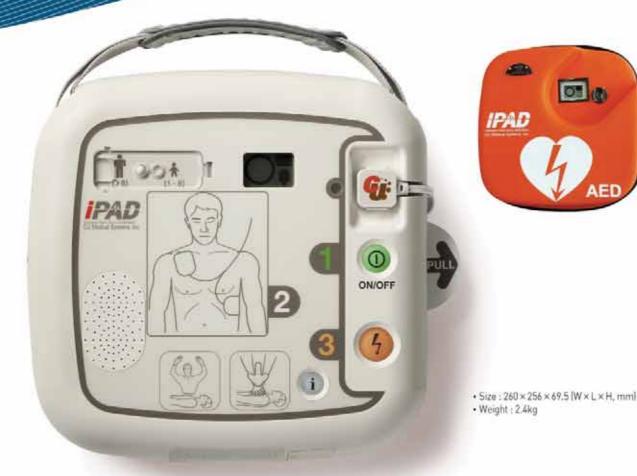
Data Recording and Transmission

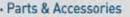
- Data Review PC Program : CU-EX1

- Internal Memory : ECG, Event

- IrDA port: Wireless transmission of event data to PC, SD card

- Storage Capacity: Multi Recording 5 events / Max 3 hours





#### Standard Package

- Device
- Multifunction Defib. Pads
- Disposable LiMnO Battery Pack
- User's Guide

#### Opition

- Carrying case
- SD card

**CU-SP1 Trainer** 

· 8 Standard rescue scenarios

· Simulates all the functions of CU-SP1

- Software for data management with key file

Powered by AAA disposable, rechargable battery

(B)

- Wall bracket Wall cabinet





- Easily switch from Adult to Child mode without changing pads
- Safety cover prevents accidental switching



Ambient noise detector measures level of background noise and adjusts the volume of the voice prompts accordingly.



#### Smart pads storage, underneath the device Integrated pad storage

- electrode pads are stored, pre-connected, in a clear compartment on the underside of the unit.



#### Smart CPR detection

- If CPR is not being performed, voice prompts encourage the responder to 'perform CPR'
- If CPR is being performed, voice prompts
- encourage the responder to 'continue CPR'



#### Easy communication

- Internal memory stores the last 5 events/3 hours
- Data can be transferred via the built in SD card and IrDA ports

# 1-PAD NF1200 (Semi-Automated) 1-PAD NF1201 (Fully-Automated)

(Intelligent Public Access Defibrillator) Defibrillation capability for the general public

## Key Features

- Patented e-cube Biphasic Truncated Exponential Shock Waveform
- · Automatic Self-testing
- · CPR coaching
- · Multi event recording
- · Pads status detection
- · Simple operation
- · LED status indicator

#### Technical Specifications

#### DEFIBRILLATOR

- Model: NF1200 - Operation: Semi-Automated [NF1200], Fully-Automated [NF1201]
- Waveform : Biphasic Truncated Exponential - Energy: 200J (Fixed)
- Shock-to-Shock Cycle Time: Typically less than 20 seconds
- Protocol: Voice prompts and indicators guide user through protocol. Follow preconfigured settings. Can be modified with software
- Voice Instructions: Detailed voice messages guide responder through use of the defibrillator
- Controls: Shock Button (NF1200 only), i-Button, On/off Button
- Indicators : 4 LEDs (different colors), i-Button

#### ENVIRONMENTAL / PHYSICAL REQUIREMENTS

- Temperature : Operating : 32° -110° F [0° 43°C] Standby: 32° - 110° F (0° - 43°C)
- Humidity: Operating 0% to 60% relative, non-condensing Standby - 0% to 95% relative, non-condensing
- Vibration: Meets EN1789 random and swept sine, road ambulance specification in operating and standby states
- EMI [Radiated/Immunity]: Meets EN55011 Group 1 Level B Class B and EN61000-4-3

#### Sealing

- Meets IEC60529 class IP54 with battery installed

- Type: 12 Volt DC, 4.2 Ah, lithium manganese dioxide, disposable long-life primary cell
- Capacity: Minimum 200 shocks or 4 hours of operating time (25°C)

#### AUTOMATED AND USER-ACTIVATED SELF-TESTS

- Daily Self-Tests: Tests internal circuitry, waveform delivery system, battery capacity and software
- Battery Insertion Test: Upon battery insertion, extensive automatic self-tests and user-interactive test check device readiness.
- Data stored
- Maximum 7 events can be saved.
- 1 event can be recorded for 75 minutes
- If 7 events are recorded, maximum recording duration for each event is 5 minutes



#### Parts & Accessories

#### Standard Package

- Device
- Multifunction Defib. Pads
- Disposable LiMnO: Battery Pack
- User's Guide
- Quick Reference Card

- Carrying case
- IrDA connector for data communication
- Software for data management with key file
- Wall bracket Wall cabinet



#### Pads Connector Guide & LEDs

- Indicates the position of the pads connector
- Guide the user during rescue operation



#### Shock Button (NF1200 only)

- Delivers the shock



#### Information Button

- When pressed, guides the user
- during CPR and system trouble shooting



Indicates operational state of the device



#### Battery Pack

- Disposable LiMnO: Battery Pack



#### IrDA Port

Used for data communication





#### i-PAD NF1200 T1

- · 8 standard Rescue Scenarios
- Infrared remote control operation Powered by an external disposable battery pack or rechargeable
- NF-1200

I-PAD NF1200 T2

• 8 standard Rescue Scenar

· Powered by AA Battery

(Automated External Defibrillator)

Someone goes down in cardiac arrest, resuscitation is just a hand away...

Patented e-cube Biphasic measure impedance and deliver efficient defibrillation shock.

# Key Features

- · Intelligent Arrhythmia Detector
- · Efficient and effective e-cube Biphasic Truncated Exponential shock waveform
- · Lightweight and highly portable
- · Versatile Power Supply
- Internal rechargeable battery pack
- External disposable battery pack
- AC/DC adapter
- Car cigar lighter jack

#### · Intelligent data management system

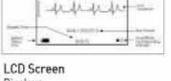
- ECG of the patient is recorded all throughout the rescue operation.
- Relevant events (e.g. shock advised, charging, shock delivery) are recorded together with timestamp.

  - Recorded data may be transferred to a PC for archiving and review.
- Recorded data may be reviewed in the device.

#### · Automatic and operator initiated self-tests

- Power on test
- Run-time test
- Daily / weekly / monthly test





#### Displays

- The ECG of patient Energy of the shock to be delivered
- Battery status



#### Indicator Lamps

Indicates

- Power sources - Occurrence of system error



#### SmartMedica Card Port

Nonvolatile memory port for data storage



**UART Port** 

Port for serial data transfer to a PC



Port for infrared communication with a PC



#### AC/DC Adapter Port

Port for AC/DC adapter and Car cigar lighter jack



#### Paramedic CU-ERT (AED Trainer)

- 10 standard Rescue Scenarios
- · Infrared remote control operation
- Powered by an internal rechargeable battery pack or AC/DC Adapter
   Simulates all the functions of the Paramedic CU-ER1

The CU-ERT is a defibrillator simulator designed to mimic the operations of the Paramedic CU-ER1. It can simulate all the functions of the Paramedic CU-ER1 including charging and shock delivery.

# · Parts & Accessories

#### Standard Package

- Device
- Defi pads
- Power cord
- AC adapter - NI-MH battery
- User's guide
- Quick refernce card

#### - Carrying case

- SMC card
- Printer
- Cigar lighter jack car
- ECG cable
- Disposable battery pack
- Software for data managing
- Pediatric pads

# Paramedic CU-ER2

[Dual Mode Defibrillator]

Someone goes down in sudden cardiac arrest... Build up more chances of saving lives with Paramedic Series.



### Key Features

- AED and Manual Mode Defibrillation
- · Synchronized Cardioversion
- ECG Monitoring (3 Lead ECG Cable)
- · CPR Coaching in AED
- · Lightweight (2.7kg) and highly portable
- Efficient and effective e~cube Biphasic Truncated Exponential shock waveform
- · versatile Power Supply
- Internal rechargeable battery pack
- External disposable battery pack
- AC/DC adapter
- Car cigar lighter jack
- · intelligent Data Management System
- ECG of the patient is recorded all throughout the rescue operation.
- Relevant events (e.g. shock advised, charging, shock delivery) are recorded together with timestamp.
- Recorded data may be transferred to a PC for archiving and review.
- Recorded data may be reviewed in the device.
- Automatic and Operator Initiated Self-Tests (power on / run-time / daily / weekly / monthly test)

# Paramedic CU-ER3

(Dual Mode Defibrillator +SpO2 Monitor)



## (Rey Features

- AED and Manual Mode Defibrillation
- · Synchronized Cardioversion
- ECG Monitoring Mode (3 Lead ECG Cable)
- Sp0: Monitoring (Nellcor Sp0: Module)
- · Heart Rate and SpO: Alarm System
- · CPR Coaching in AED
- Efficient and Effective e~cube Biphasic Truncated Exponential shock waveform
- · Lightweight (2.8kg) and Highly Portable
- · Versatile Power Supply
- · Intelligent Data Management System
- Automatic and Operator Initiated Self-Tests (power on / run-time / daily / weekly / monthly test)

# SPECIFICATIONS CU-ER1, CU-ER2, CU-ER3

#### Common

#### ECG Monitor

- Patient Connection : Defibrillation Pads. ECG Electrodes
- Bandwidth : Monitoring Mode : 0.3 to 40Hz [-3dB]
- Heart Rate : Digital 30 to 300 hpm [±3bpm]

- Waveform : e-cube Biphasic (Biphasic Truncated Exponential type)
- Charging Time : Less than 10 seconds
   Sensitivity & Specificity : Meets AAMI guidelines
- Delibrillation Electrodes : Multifunctional electrodes Idisposable, Pre-gelled)

#### Voice & Text Prompts

Voice Prompts guide the user through the rescue protocol
 All user interfaces are supported in local language

#### · Data Storage & Management

- Internal Flash Memory = 12 Hours of event and ECG recording SmartMedia Card(32M) : 42 hours of event and ECG recording or 1 hour if voice recording is enabled
- Review the Patient ECG, incident details and device information Transmit multi patient data to PC

#### Display

- Screen Type: High resolution display (Graphic LCD) Screen Size: 4 inches (10.16 cm) diagonal, 320 X 240 pixels Sweep Speed: 25mm / sec, nominal
- Viewing Time : 3.2 seconds

#### Automatic Self-Test

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

- Input: 100 240V AC 50 / 60Hz 170VA
- Output : +12V DC 3.6A

#### · Battery Pack

- 12V 4.5Ah Nickel-Metal Hydride battery pack [Rechargeable]
- Charging time: Minimum of 4 hours for full charging
- Capacity : when new, minimum of 200 shock deliveries (Fully charged)

#### · External Link

- -IrDA port

#### Parts & Accessories

#### Standard Package

- Device - Defi pads
- Power cord
- AC adapter
- NI-MH battery
- User's guide
- Quick reference card - SpO: Probe (only for CU-ER3)
- Carrying case
- SMC card
- Ciger lighter jack car

Optional

- ECG cable
- Disposable bettery pack
- Software for data managing
- Pediatric pads

#### Differences

ECG Monitor		CU-ER1	CU-ER2	CU-ER:
ECG Size	auto-scaled		•	
	5, 10, 20mm/mV			
Defibrillator	*****			
Operating Mode	Semi automatic	()		
	Manual		•	
Waveform	e~cube Biphasic (BTE type)		•	
Energy	AED Mode 150. I idefault setting			
	Manual Mode: Variable energy tevels selection [12 steps escalating, 2, 3, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200.]		•	•
Synchronous Cardioversion	Energy delivery begins within 60ms of the ORS peak		•	•
Control	Manual Mode : CHARGE, SYNC(R-wave), DISARM		•	•
	AED Mode : ANALYZE, PAUSE		•	
Sp02				
Pulse Rate	20 - 250 bpm (±3bpm)			
Saturation	70 - 100% (±3digits)			
Perfusion	0.2 %			
Physical				
Size WXLXH	254mm X 309mm X 93mm	•	•	
Weight	Approximately 2.7 kg			
	Approximately 2.8 kg			
Patient Isolation	Type BF			
Optional Accessories				
ECG Cable	3 Lead			
Package Contents				
Sp0: Module [Nellcor]				

## [Multifunction Defibrillator / Monitor]

The Paramedic CU-ER5 defibrillator / monitor is designed to accommodate both basic and advanced life support personnel.

#### Specifications

#### Defibrillation

- ECG Lead Select I, II, III, aVR, aVL, aVF, V, Paddle/Pads, Ext ECG e~cube Biphasic [Biphasic Truncated Exponential type] - Waveform

Manual: 1-10J, 15J, 20J, 30J, 70J, 100J, 120J, 150J, 170J, 200J - Output Energy

AED: 150J [Fixed]

Internal Paddle: 1-10J, 15J, 20J, 30J, 50J

Less than 10 seconds to 150J - Charge Time

- Shock Delivery Via multifunction defib. electrode pads or paddle - Patient Impedance Shock range: 25 Ohm - 175 Ohm

- AED Mode Shock advisory sensitivity and specificity meet

AAMI DF-80 guidelines

- Synchronous Energy transfer begins within 60ms of QRS peak Cardioversion

- Voice & Text Multi language support Prompts

#### ECG Monitoring

Lead I, II, III (3-lead ECG cable) - Input

Lead I, II, III, aVR, aVL, aVF or V [5-lead ECG cable]

- Heart Rate Display 30 to 300 bpm

5, 10, 20mm/mV and Auto-gain - ECG Size Less than minimum setting rate / - Heart Rate Alarm Over than maximum setting rate

 Waveform Sweep 25mm/sec

Speed

#### Sp0: Pulse Oximetry (Nellcor)

- Saturation 70-100% [±3digits] - Pulse Rate 20~250bpm (±3bpm)

- Perfusion 0.2%

#### Power

#### Internal Battery

Rechargeable / 12V 4.5Ah Ni-MH battery pack - Type - Capacity When new, minimum of 200 shock deliveries (200J)

- Recharging Time Minimum of 4 hours for full charging

#### **External Battery Pack**

 Type
 Capacity Disposable / 15V 4.2Ah LiMnO: battery pack When new, minimum of 200 shock deliveries (200J)

#### AC/DC Adapter

100~240V AC 50/60Hz - Input DC 12V, 3.6A - Output - Car Cigar Lighter DC 12V

#### Physical

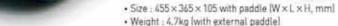
Without eternal paddle: 254\*365\*105 (mm) - Dimensions With external paddle: 455\*365\*105 [mm]

- Weight 4.7Kg (with external paddle)

#### · Environmental Requirement

Operation : 0°C - 40°C - Temperature Storage: -20°C - 60°C

- Humidity



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#### Display

- LCD Dimensions 4 " diagonal [80mm\*60mm] High resolution mono graphic LCD - Type 320\*240 pixels - Resolution

- Wave Viewing Time 3.2 seconds [ECG] - Back Light EL back light

#### Data Storage & Management

- Internal Flash Memory 12 hours of event and ECG recording - Data Card [SMC 32M] 42 hours of event and ECG recording or 1 hours if voice recording is enabled - Data Transfer to PC

#### Self-Test

- Power on Self-Test
- Run Time Self-Test
- Manual Self-Test
- Periodic Automatic Self-Test [Daily / Weekly / Monthly]

#### · Parts & Accessories Standard Package

#### - Device

- External Paddle [Adult, Pediatric]

External Paddle

[ Adult, Pediatric ]

- 3-Lead ECG Cable
- Power Cord
- AC Adapter
- Internal Battery (Ni-MH)
- User's Guide

#### Options

- Date Card (SMC 32M)
- Thermal Printer
- Printer Paper (10 rolls)
- Cigar Lighter Jack for Car
- Multifunction Defib. Pads
- Adapter for Defib. Pads
- 5-Lead ECG Cable
- ECG Electrodes (50EA)
- SpO: module set [probe, extension cable]
- Disposable Battery Pack [LiMnOi]
- IrDA Adapter for Data Communication
- Software for Data Management with Key File (UART Cable included)

# Lifegain CU-HD1

[Multifunction Defibrillator / Monitor]

# **Key Features**

- Efficient and e-cube Biphasic Biphasic technology (BTE Type)
- · Manual and AED operation
- · Defibrillation using paddles, pads or internal paddles
- ECG Monitoring (3-Lead ECG / 5-Lead ECG / 10-Lead ECG)
- · Sp0: pulse oximetry with alarms (Nellcor)
- · Noninvasive pacing mode
- · NIBP (Non-Invasive Blood Pressure)

### Specifications

#### Display

- LCD Dimensions: 7 inch Diagonal [152mm \* 91mm]
- Type : TFT Color
- Resolution: 800 \* 480 pixels

#### Defibrillation

#### Defib Common

- Waveform : Truncated Exponential Biphasic [e-cube]
- Charge Time: Adapter: Less than 5 seconds to 200 Joules Battery: Less than 7 seconds to 200 Joules

#### AED Mode

- Output Energy: 200J
- Shock Delivery: Via multifunction defib electrode pads
   AED Develop Guideline: Shock advisory sensitivity and
- Specificity meet AAMI DF-80 guidelines
- Voice & Text Prompts : Guide the user through the protocol via multifunction defib electrode pads

#### Manual Mode

- Output Energy: 1~10J, 15J, 20J, 30J, 50J, 70J, 100J, 120J. 150J, 170J, 200J
- Shock Delivery : External paddle (with Pediatric) / Internal paddle
- Synchronous Cardioversion

#### - Printer

- Continuous ECG Strip : Real-Time (8 seconds delay)
- Auto Printing: Recorder can be configured to print marked event, charge, shock and alarms
- Printing Speed: 25mm/s
- Paper: 50mm Width / 40mm Diameters

#### Automatic Self-Test

- Power On Self-Test
- Run Time Self-Test
- Manual Self-Test
- Periodic Self-Test (Daily / Weekly / Monthly)

#### Data Storage

- External memory card
- : SD Card (ECG data, Event, Voice)

#### · Power Source

#### External Battery Pack : Lithium Polymer

- Type: 14.8V 3.1Ah [Rechargeable] - Capacity : When new, minimum of 100 shock deliveries [200J]
- AC Power Pack
- Output : 18V, 6A

#### Noninvasive Pacing

- Waveform: Monophasic Truncated Exponential
- Mode : Demand and Fixed Mode
- Amplitude Accuracy: 0 200mA [±5mA]
- Pulse Width : 20ms [±1.5%]
- Pulse Rate: 30 ~ 180ppm (±1.5%)
- Refractory Period: 340 msec [30 to 80 ppm] 240 msec (90 to 180 ppm)

#### Sp0: Pulse Oximetry

- Saturation : 70 100% (±3digits)
- Pulse Rate : 20 250 bpm (±3bpm)
- Perfusion: 0.2%
- Module Manufacturer : Nellcor
- SpO: Alarm : Less than Minimum setting rate Over than Maximum setting rate

#### · NIBP

- Patient Population : Adult, Pediatric, Neonate
- Method : Oscillometric
- Control: Autometic and manual measurements - Auto Intervals : 1, 3, 5, 10, 15, 30, 60, 120 min
- Displayed Pressures: Systolic, Diastolic, MeanmmHg
   Displayer Units: Adult: 40 to 260 mmHg
- Pediatric: 40 to 160 mmHg
- Neonate: 40 to 130 mmHg - Systolic Range : Adult : 20 to 200 mmHg
  - Pediatric: 20 to 120 mmHg Neonate: 20 to 100 mmHg
- Diastolic Range: ±3mmHg
- Pressure Transducer : Adult : 300 mmHg Pediatric: 300 mmHg Accuracy

Neonate: 150 mmHg

-Redundant Circuit Overpressure Limit

#### ECG Monitoring - Input : 3-Lead Cable : I, II, III

- - 5-Lead Cable : I, II, III, aVR, aVL, aVF or V
  - 10-Lead Cable : I, II, III, aVR, aVL, aVF or V1, V2, V3, V4, V5, V6
  - [Display View: All 12-Lead ECG waves display simultaneously]
- Lead Fault: "Lead Fault" message and dashed line display, if an electrode or lead wire becomes disconnected
- Heart Rate Display: 30 to 300 bpm (±3bpm)
- ECG Size: 5, 10, 20mm/mV and Auto-gain
- Heart Rate/Arrhythmia Alarm : HR, Asystole, VF, VT

5ize: 318 × 208 × 355 (W × L × H, mm)

· Weight : 5kg (with external paddle)



## Parts & Accessories

#### - Device

- External Paddle
- [Adult, Pediatric]
- 3 Lead ECG cable
- ECG electrodes
- Defi pads & Adaptor
- Built in printer
- Power cord & SMPS
- Internal Battery
- User's Guide

#### Standard Package Option

- Carrying case - SD card
- SD card reader - Pediatric pads
- 5 Lead ECG cable
- Car cigar lighter jack
- SpO: Module Set
- Pacer
- 10 Lead ECG cable
- NIBP (Non- Invasive Blood Pressure!
- Software for data
- management (CU-EX2)