2023
Disaster safety
product certified
Nurugo L330

bestCPR

AED & CPR

Educational equipments

CPR is an act of love to save lives and
best CPR, Inc. is Korea's best company in terms of
emergency medical equipment working with
those who protect human lives. We are always
putting forth our best effort to develop high quality
CPR training and emergency medical equipment to
Protect precious human lives.

bestCPR
bestCPR,Inc. www.AED.kr

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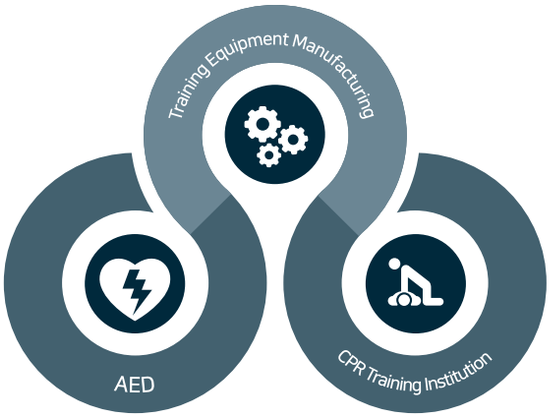
Korea's best training equipment company that practices love through CPR

bestCPR
bestCPR,Inc. www.AED.kr

CPR Total Solution

bestCPR,Inc. the best training equipment company in Korea, protects a healthy society and people's health, and practices love through CPR. We are doing our best to protect people's precious lives and establish the emergency medical system.



Company Profile

History

2007	06 Established CUNetworks Co., Ltd.
2008	02 Supplied 33 AEDs to Incheon International Air port
2009	05 Supplied 189 AEDs to KTX, Korail 05 Supplied AEDs to the Integrated Government Complex (Gwacheon, Daejeon) 10 Registered as a venture company
2010	11 Supplied AED to KTX new opening station 11 Sponsored AED at the G20 Seoul Summit
2011	11 Signed MOU for business solution with Canon Korea
2012	05 Supplied 1,000 AEDs to LGU+ 12 Launched LifeOn-100, AED for training 12 Signed MOU with Korea Maritime Rescue Association
2013	02 Supplied 780 AEDs to Jeju Self-Governing Province 05 Supplied AEDs to GM Korea 12 Supplied 1,600 AEDs to Seoul City
2014	01 Supplied 51 AEDs to Daegu Metropolitan Office of Education 03 Acquired a certificate as CPR training agency (by KACPR) 05 Supplied AEDs to Hyundai Motors and Kia Motors 11 Awarded the Grand Prize for Korea's Best Patent Products in 2014 (Life Science/Chemicals – defibrillation system for training, Hankook Ilbo)
2015	02 Certified as best school supplies(LifeOn) 03 Released the training AED R-ligo 03 Supplied 544 AEDs to No. 1266 unit of armed forces 06 Established company-affiliated research center (Best CPR LAB) 09 Released CPR training manikin Nurugo 12 R-ligo was selected as best design by Korea Institute of Design Promotion
2016	08 Conducted a training program for K-league 08 Changed the company name to bestCPR Inc. and moved the head office 11 Acquired INNOBIZ certificate 12 Supplied 418 AEDs to Incheon Metropolitan Office of Education
2017	01 Acquired ISO 9001:2008 and KS Q ISO 9001:2009 01 Signed a CPR training agreement with Bucheon Health Center 04 CPR training manikin Nurugo designated as venture g2b product by Public Procurement Service (PPS) 05 Supplied Nurugo to Air Force Logistics Command 05 Supplied 174 units of CPR training manikin Nurugo to Ulsan Office of Education 05 Supplied 500 units of CPR training manikin Nurugo to K angwon Fire HeadQuarter
2017	05 Supplied CPR Education Module CEM to Paju City 06 Supplied CPR Education Module CEM to Gyeongnam Office of Education 07 Supplied AEDs to Korea Land & Housing Corp. (Daegu, Gyeongbuk offices) 07 Acquired EPC by Ministry of SMEs and Startups (Nurugo) 09 Nurugo (L330) was designated as Best Procurement Product by PPS
2018	01 Accredited with ISO 9001:2015 and KS Q ISO 9001:2015 01 Supplied AEDs to Incheon International Airport Terminal 2 01 Launched LifeOn, a training site of KACPR in Gasan-dong 01 Signed on a CSR agreement with Korean Red Cross and the Governor of Gyeonggi Province 04 Participated in the15th International Fire & Safety Expo Korea (EXCO) 04 Participated in Korea Public Procurement Expo 2018 (KINTEX) 05 LifeOn training center was certified as a special educational institution for BLS by KACPR 07 Participated in KISS 2018 09 Participated in G-FAIR KOREA(KOREA SOURCING FAIR in DUBAI) 10 Participated in Gyeonggi CPR Contest 2018 (hosted by Korean Red Cross Gyeonggi Office) 11 Participated in the 1st Sinchon 119 Run 11 Participated in the 5th K-SAFETY (KINTEX) 12 Selected as a 'Promising SME for Export' in the 2nd half of 2018 (Ministry of SMEs and Startups)
2019	02 Supplied Nurugo to Incheon Fire Department / Gyeongnam Office of Education 03 Designated as a promising company to enter the overseas procurement market (G-PASS company) 04 Export to Taiwan / Singapore 05 Supplied Nurugo to the Gyeonggi Emergency Management Agency 06 Supplied 728 units of Nurugos and R-ligos to Jeju Office of Education 07 Export to Vietnam 10 Participated in 2019 Safety Experience (Daejeon) 11 Export to Germany 12 Korean Red Cross-Selected as a company with good spend
2020	06 Registered Chinese patent for CPR training manikin 07 Obtained certification as the first disaster safety product by the Ministry of Public Administration and Security in 2020 (No. CDSP-2020-3) 08 European patent registration
2021	01 Korean Red Cross KRW 4.62 million in 2020 contract donation 01 Hand Sanitizer "Best Shot" Release 03 German patent registration (602016051197.5) 07 Relocation of headquarters and factories (Janggi-dong, Gimpo-si)
2022	02 Korea Red Cross Seoul Branch Contributions to the 2021 Agreement 02 Korea Red Cross Gyeonggi-do Branch Contributions to the 2021 Agreement 03 Announcement and release of T200A
2023	02 Korea Red Cross Seoul Branch Contributions to the 2022 Agreement 05 Certificate of Disaster Safety Product (Ministry of the Interior and Safety R.O.K)

Factory

- Located at [Factory] #273~#277, [Office] #634~#636, KyeongDongMirwellCity, 741, Taejang-ro, Gimpo-si, Gyeonggi-do
- Manufacturing and producing 'R-ligo AED Trainer', 'Nurugo CPR manikin' and other related consumables
- Supplying high-quality products at reasonable prices through domestic R&D and manufacturing
- Strictly tested more than 1 million times for preliminary product standards such as durability and safety at the affiliated research center, bestCPR Lab.
- Nurugo Manikin (L330) certified as a disaster safety product by the Ministry of Public Administration and Security is a product using disaster safety technology to protect the lives/body and property of the people.

Certification status

Venture Company Certificate

INNOBIZ Certificate

Certificate of a disaster safety product

ISO Certificate of Registration

Excellent product certificate

Certificate of designation as a promising export small business

Letter of KACPR Training Institution Certification

Excellent Product Certificate by PPS

Certificate of designation as G-PASS company

Certificate of Dedicated Company Research Institute

CPR / AED

Importance of CPR

Number of patients with cardiac arrest every year

about 30,000

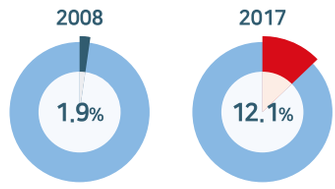
What about the survival rate?

8.7%

8 out of 100 survive

<Source : KCDC, 2018>

The rate of CPR by the general public



About **11 times** increase

<Changes in the rate of CPR by the general public, 2008-2017 / KCDC>

Acute cardiac arrest that occurs in 30,000 people per year, What is the mortality rate?

<Death rate per 100,000>

Source: 2017 Acute Cardiac Arrest Survey (KCDC)
2017 Cause of Death Statistics (Statistics Office)

7.5
Transportation accident

34.4
Acute cardiac arrest

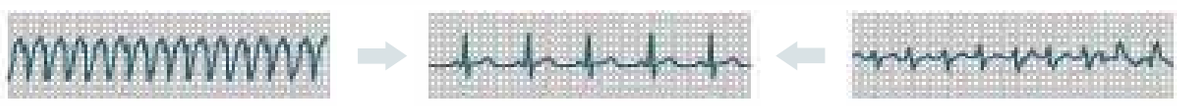
Among patients with acute cardiac arrest, only **8.7% survived (2017)** and **90.3% died**.Based on the death rate per 100,000, 34.4 people die a year. This is about 4.5 times higher than the death toll of transportation accidents,7.5.

What is AED?

AED
Automated External Defibrillator

Automated external defibrillator (AED) is a medical device that provides an electric shock to a patient who has cardiac arrest due to ventricular fibrillation or ventricular tachycardia to bring the normal rhythm of the heart.

AHA Chains of Survival for adult



Ventricular tachycardia (VT) waveform | Normal waveform | Ventricular fibrillation (VF) waveform

Training Center

LifeOn Training Center

Lifeon Training Center is a KACPR BLS training site and an educational institution dedicated to the distribution of CPR and CPR training for medical professionals.

- BLS TS certification (designation number 222)
- E-mail : help@aed.kr • Tel : 1644-3075

LIFEON
LifeOn Training Center
SINCE 2014

01 Professional CPR training system

- Approved as a professional educational institution by KACPR
- Issuance of training completion certificate from KACPR
- Trainees can complete education of the same quality as that provided by KACPR

02 Visiting education service

- Conduct training after prior consultation on the desired location and time (if the criteria for location and number are met)

03 Training Completion Benefits

- Providing benefits through related companies when purchasing AEDs, trainers and other products

알리고 Aligo AED trainer®

T200A AED Trainer

It provides training for correct use of AED with the same operation method as the actual product.

Product Part Description

1. Handle

Used to carry the device.

2. Speaker

Voice instruction is heard through the speaker.

3. Shock button

Used to input the power for electric shock.

4. Volume control button

Control the volume in 5 steps.
(Volume 1-2-3-4-5)

5. Pause/restart button

Temporary stops and restarts the scenario.

6. Power button

Used to turn ON/OFF the power.

7. Pad connector insertion point

Insert the training pad connector.

8. Language Button

Use the Language Button to select the language.

9. SELECT Button

Used to select a scenario.

10. USB terminal

Used to receive and transmit data between the device and PC.

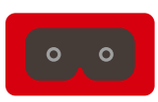
※ Dedicated remote control useful for training

Product Features

Pad Attachment LED Mark

Replaceable Pad

Partial replacement through replaceable pads is cost efficient



Applicable to Two Type Connector Systems

It connects with all domestic AED connectors
(Joint Use of Pre-connected & Non Pre-connected)

Pause / Volume Control

Pause : Simple-to-use during training
Volume control : Volume can be adjusted according to ambient noise

Multi-Language Function

Supports 6 Languages
(KR / ENG / CHN / JPN / IND / VIET)

Remote Control for training convenience

Pause/start a scenario in progress

Product Details

* **C** : Chest compressions / **A** : Artificial respiration

Product Name	AED Trainer	**Function**	An AED training device with 20 scenarios and multiple language support		
Scenario	S01 Ventricular fibrillation Basic ①		⚡ → C/M → 🚶	S06 Asystole Variation	🚶→C/M→⚡→C/M→🚶
	S02 Ventricular fibrillation Basic ②		⚡ → C/M → ⚡ → C/M → 🚶	S07 Hands-only Ventricular fibrillation	⚡ → C → ⚡ → C → 🚶
	S03 Ventricular fibrillation Basic Variation		⚡ → C/M → 🚶 → C/M → 🚶	S08 Hands-only Asystole	🚶→ C → ⚡ → C → 🚶
	S04 Asystole Basic ①		🚶 → C/M → 🚶	S09 Beat Machine	C/M → C/M → C/M → ···
	S05 Asystole Basic ②		🚶 → C/M → 🚶 → C/M → 🚶	S10 Beat Machine Hands-only	C → C → C → ···
	S11-S20		Metronome Off for S11-1 (Apply the same on S11-20)		
Features	• Provides 20 scenarios to quickly react to emergencies • Applicable with two type domestic AED connectors (Joint Use of Pre-connected & Non Pre-connected) • Applied AHA CPR guideline of 2020 as the most recently issued CPR guideline • Pause function makes the training much more convenient • The training pads are detachable parts allowing partial replacement for cost efficiency • Volume control allows adjustments for surrounding noise levels • Supports multiple languages (6 languages) (KR/ENG/CHN/JPN/IND/VIET) • Beat control function (metronome) for chest compression training is available				
Exterior Features	220mm × Length 245 mm × Height 55 mm		**Weight**	1.0kg	
Electronic Voltage	4EA x 1.5V (AA Batteries)				
Composition	Carryon bag, Pad for training (5ea), Instruction Manual, AABatteries (4ea), AAABatteries(2ea), Remote Control				

Consumables & Accessories

※ Available to purchase separately

Remote Control

Replacement pads for AED training (5EA)

AED Training Pad including connector

Manikin cleaner

Face shield (50EA)

Replacement pads for AED training (10EA)

Nurugo CPR manikin®

B100/L300/L330/L360/L380
B100A/L300A/L330A/L360B/L380B

Manikin for CPR Training

It effectively provides CPR education through a structure similar to the human body and visual and auditory feedback functions.

Product Part Description

※ Features may be limited depending on product model, Nurugo B100 / L300 / L330

1.Visual Feedback Indicator (LED)

Indicate whether the frequency and depth of chest compression is appropriate or inappropriate (L300/L330)

2. Battery cover

It is used to replace batteries.

3. Location to place AED left pad

Left chest skin is extended to place AED left pad to the 'middle-armpit line'.

4. Tick to check the depth of chest compression

You can turn On/Off the tick function.

5. Metronome sound switch

Based on the 2020 AHA (American Heart Association) guidelines (100-120 beats/minute), the beat consonants repeat 30 times at a frequency of 110 beats/minute. (L300 / L330)

6. Auditory Feedback device : Speaker

Metronome beat consonant (L300/L330) and CPR result (L300/L330) speaker.

7. Speaker Switch

It can be turned ON/OFF. (L300/L330)

8. LED Switch

It can be turned ON/OFF. (L300/L330)

9. Language Selection

Take off the skin and press the switch in PCB case at the bottom to select the language (L330).

Main Features

※ Some features may not be provided according to product model.

Neck Structure Similar to Human Body (All models)

- 15° rotation to the left and right
- Double joint with upper and lower joints front and back joints

Visual Feedback Indication (L300, L300A, L330, L330A)

- Display of feedback through LED on manikin forehead
- Chest compression depth 5cm, frequency 100~120 times/min
- Indicating whether depth/frequency of compression and full relaxation are satisfied

Chest compression frequency guided by beat (L300, L300A, L330, L330A)

- Metronome beat guidance through the speaker at the bottom of the manikin
- Beats are heard by 110 times/minute for chest compression frequency

Auditory Feedback Indication (L300, L300A, L330, L330A)

- Auditory Feedback from the speaker at the bottom of manikin"
- "Push harder", "Push faster",
- "You are doing great", "Relax chest muscles"

More precise AED pad placement available (All models)

- Clavicles are sticking out to reduce errors of placing the right pad onto clavicles
- A user can place the pad to the left 'middle-armpit line' correctly according to the antero-lateral placement method

Multiple language support (L330, L330A)

Support 10 languages (Korean/English/Chinese/Japanese/Indonesian/Vietnamese/Arabic/Spanish/German/French)

Connect with dedicated application (APP) (B100A, L300A, L330A)

- Connect up to 45 manikins via Bluetooth (default 6)
- Chest compression (depth/frequency/relaxation), breathing (quantity, speed) feedback
- Extracting CPR quality results to SNS and PDF (graph)

※ Nurugo L330 - Public Procurement Service Registered Product (Item identification number : 23237641)

Product Details

Performance certification by the Ministry of Small and Medium Venture Business /
Certification of the disaster safety product by the Ministry of Public Administration and Security

Type	Model No.	Weight	Rated Voltage	Features
Basic	B100	3.0kg	-	• Half-body manikin for CPR training • Provides basic CPR trainings for adults such as airway management, artificial respiration, chest compression, etc. • Anatomically close to the human body, the head can be rotated 15° to the left and right, and the front and rear neck joints are double joints in the upper and lower. • Chest rise can be visually checked during artificial respiration • Airway maintenance and airway closure are possible during artificial respiration • If you do not cover the nose during mouth-to-mouth practice, air will leak through the nose. • The depth of chest compression can be checked with the naked eye and sound. • Facial skin and waste plastic bag changeable • The skin on the left chest extends to the back, so the AED pad can be attached to the 'mid dle-armpit line' under the nipple. • Auditory metronome beat from speaker guides the chest compression speed
	B100A	3.1kg	AA Type 1.5V(2)	• Basic B100 functions • Provides feedback through user's iOS / Android based smart device • Guideline selection training available for each country/professional institution such as AHA, KACPR, ERC, ANZCOR. • In addition to Korean, support in multiple languages such as English, German, Spanish, French,etc. (if necessary) • Customizable evaluation criteria can be set by selecting evaluation criteria such as compression rate, compression frequency, relaxation, breathing rate, breathing frequency. • Respiratory volume can be measured. • Chest compression stop time can be recorded. • Multiple devices can be connected to allow feedback from multiple students at the same time. • Data measured during training can be saved in the form of graphs and evaluation tables. • Training result data can be extracted, printed, and sent to SNS in the form of PDF files. • Guide can be provided according to the metronome sound 100, 110, 120 per minute. • Incomplete items can be displayed in red on the training result page. • Provides a function to select the rate of breathing, the amount of breathing, whether the compression is relaxed, the rate of compression, and the chest compression stop time in the score setting. • Certificates issued by the institution can be generated for students who have completed education.
Feedback (Beat+)	L300	4.0kg	D Type 1.5V(4)	• Basic Functions • Visual feedback on CPR quality (chest compression/speed) is displayed as a number in the form of LED. • Auditory feedback on CPR quality (chest compression/speed) is guided through the speaker. • In case of chest compression, whether or not to satisfy CPR is notified through LED & speaker
	L300A	4.1kg	D Type 1.5V(4) AA Type 1.5V(2)	• Basic L300 Functions + B100A Functions
Procurement / Overseas	L330	4.0kg	D Type 1.5V(4)	• Basic L300 Functions • 10 multilingual support-Korean/English/Chinese/Japanese/Indonesia/Vietnam/Thailand/Spain/Germany/France (excellent procurement)
	L330A	4.1kg	D Type 1.5V(4) AA Type 1.5V(2)	• Basic L330 Functions + B100A Functions
Over-depth / vertical compression / postion calibration	L360	4.0kg	D Type 1.5V(4)	• Basic L300 Functions • When pressing the chest, it is possible to determine whether it is vertically pressed and guide the posture correction
	L360B	4.0kg	D Type 1.5V(4)	• Basic L360 Functions • Cardiopulmonary resuscitation quality (chest pressure/depth, speed, relaxation, posture) is wirelessly communicated via Bluetooth
	L380	4.0kg	D Type 1.5V(4)	• Basic L360 Functions • 10 multilingual support-Korean/English/Chinese/Japanese/Indonesia/Vietnam/Thailand/Spain/Germany/France
	L380B	4.0kg	D Type 1.5V(4)	• Basic L380 Functions • Cardiopulmonary resuscitation quality (chest pressure/depth, speed, relaxation, posture) is wirelessly communicated via Bluetooth

Nurugo CPR manikin®

B100A / L300A / L330A Manikin for CPR Training

For CPR quality, real-time feedback/monitoring is provided through a dedicated application (APP).

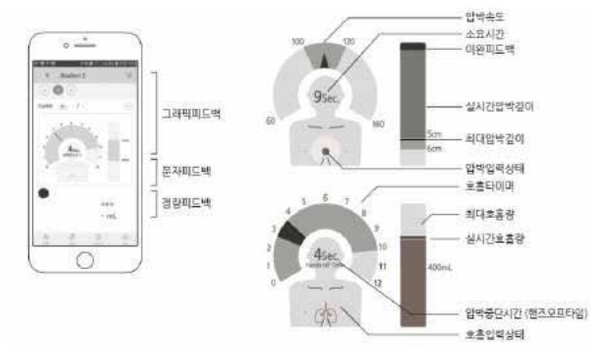
Nurugo on kit

Download on the App Store | Android app on Google play

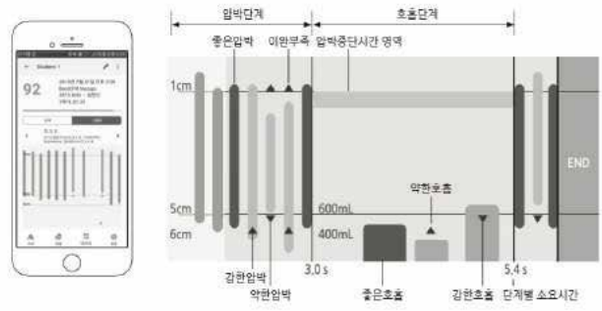
- **Instructor App -** Real-time monitoring of the quality of CPR performed by multiple students is possible, and the evaluation and record management are supported
- **Student App -** Individuals can receive accurate and effective education and evaluation, and the support to increase immersion in education is available.

- Connect up to 6 manikins to one device via Bluetooth. Up to 45 manikins can be connected at the same time-Separate equipment 'A Class'
- Applying country-specific (AHA, KACPR, ERC, ANZCOR) guidelines
- Chest compression (depth / speed / relaxation), breathing (quantity, speed) feedback
- Compression downtime feedback
- Extracting CPR quality results to SNS and PDF (graph)
- Evaluation and record management of various analysis information
- Issuance of the institution's own certificate after completion of training (PDF, print)
- Used for individual education, small education, and large group education

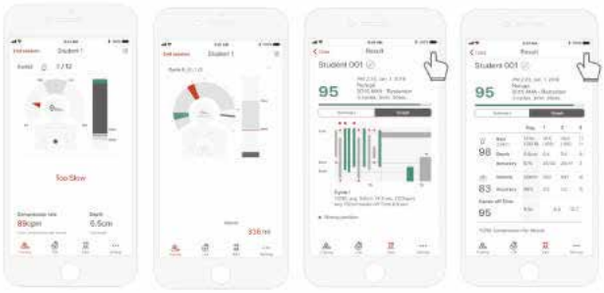
Compression and breath feedback UI



GraphUI (Instructor App)



Real-time feedback from Student App / Instructor App



Evaluation and records management-Results sheet/ certificate can be printed or saved as PDF

6 simultaneous access monitoring (i-PAD)

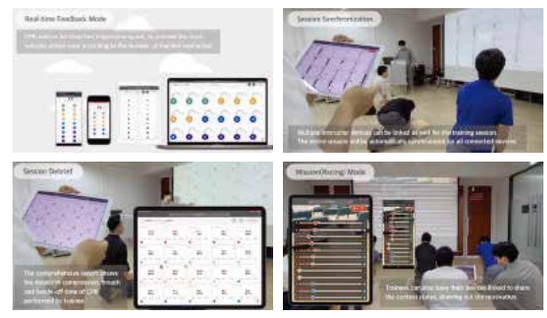
Nurugo on kit AClass

• **On kit A Class -** Education system that enables real-time feedback / monitoring by connecting 1 to 45 manikins

Nurugo on kit A Class

※ **Nurugo on kit -** Connecting 6 Manikins-Application(App)
Nurugo on kit A Class - Connecting up to 45 manikins (separate S/W and other equipment required)

- Real-time measurement without data delay
- Real-time transmission without data loss
- Real-Time Feedback Mode
  → Results feedback in real time
- Session Synchronization / Session Debrief
  → Simultaneous feedback on the result just performed
- Mission(Racing) Mode
  → Blood flow and oxygen saturation warning signs make the game even more fun



Components / Consumables / Accessories

Div.	Model name	Components
Compo-nents	B100	Main body(1), facial skin(1), bag(1), jacket(1), vinyl lung bag (1), manual (1), vinyl face shield(20)
	B100A	Main body(1), facial skin(1), bag(1), jacket(1), vinyl lung bag (1), manual (1), vinyl face shield(20), AA type 1.5V(2)
	L300	Main body(1), facial skin(1), bag(1), jacket(1), vinyl lung bag (1), manual (1), vinyl face shield(20) , D type 1.5V(4)
	L300A	Main body(1), facial skin(1), bag(1), jacket(1), vinyl lung bag (1), manual (1), vinyl face shield(20), D type1.5V(4), AA type 1.5V(2)
	L330	Main body(1), facial skin(2), bag(1), jacket(1), vinyl lung bag (1), manual (1), vinyl face shield(20), Manikin cleaner(1), D type1.5V(4)
	L330A	Main body(1), facial skin(2), bag(1), jacket(1), vinyl lung bag (1), manual (1), vinyl face shield(20), Manikin cleaner(1), D type1.5V(4), AA type1.5V(2)

Facial skin

Body

Jacket

Vinyl lung bag

Heartbeat spring

Bag
(also used as mat)

Manikin cleaner

Torso skin

Torso breastbone

Vinyl face shield

Jawbone

Heartbeat

Trolley bag

Spring for children

SAM 쌤 CPR training system®

CPR Education Module

It is a CPR education module designed to easily experience CPR including an automated external defibrillator(AED).

Product Features

SAM Plus

1. 2020 AHA CPR Guidelines
- Instruction on cardiopulmonary resuscitation methods
- KACPR guidelines

2. Automated External Defibrillator (AED) container
- AED storage box for actual use
- Anti-theft function (warning light)

3. CPR (cardiopulmonary resuscitation) educational media
- CPR & AED intensive education program for the general public. Video auto play (repeat play)
- Media auto on/off function (specify play time)

4. R-ligo AED Trainer
- AED trainer that allows to practice without an instructor
- All connector connection methods and replacement pads available
- 6 languages (multilingual support)

5. Nurugo CPR Manikin
- Manikin that allows to practice without an instructor
- Visual/auditory feedback on the quality of CPR

6. No space restrictions
- CPR education module can be folded and stored inside
- Solid trays attached at the bottom for fixation
- Easy to move with lower wheel mounting and side handle type

SAM Plus/Score

CPR score display LED

CPR (30 or 60 times, frequency can be changed)
Score display for the results of the implementation

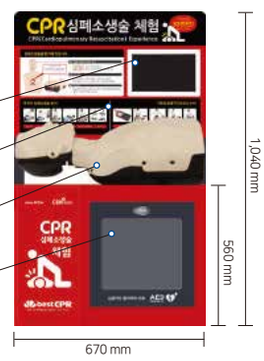
SAM Basic

1. CPR educational media

2. 2020 AHA CPR Guidelines

3. Nurugo CPR Manikin

4. AED Container



SAM Plus/Score

CPR score display LED

CPR (30 or 60 times, frequency can be changed)
Score display for the results of the implementation

SAM Training System

SAM TS 22
(21.5" Touch screen)

SAM TS 43
(43" Touch screen)

SAM TS 55
(55" Touch screen)

1. Standby Screen

2. Watching Videos

3. Experience

4. Evaluation

5. Games

CPR experience hall (Experience / Booth construction cases) ※ Construction inquiry ☎ 1644-3075

CEM zone

Exprience zone

Smart training zone

Product Details

Product Name	CPR Education Module		Function	An CPR education module with which self-training is available
Features	• Refined and sophisticated CPR experience space • Providing customized contents (optional) • Self-training available without lecturer • Can be operated in a confined space • Wheels are attached at the bottom to facilitate the movement of the SAM (plus only) • Convenient storage and movement as equipment can be placed inside the SAM (Plus only) • The score for the implementation result is displayed on the SAM display panel (LED) (Score type only) • Convenient storage and movement by folding a large amount of SAM (light only)			• Easily learn how to CPR & to use AED • Durable aluminum material • Easy voice guidance for CPR • Realization of lightweight CPR exercise module
Appearance/ Weight	Overall	Plus	Width 800mm × Length 600mm × Height 1,940mm (45kg)	
		Plus Score	Width 800mm × Length 600mm × Height 1,940mm (45kg)	
		Basic	Width 670mm × Length 560mm × Height 1,040mm (20kg)	
		Basic Score	Width 670mm × Length 560mm × Height 1,070mm (21kg)	
		SAM TS 22	Width 795mm x Length 910mm x Height 1,600mm (35.5kg)	
		SAM TS 43	Width 640mm × Length 860mm × Height 1,885mm (64kg)	
		SAM TS 55	Width 790mm x Length 860mm x Height 2,010mm (85kg)	
	AED Cabinet	Plus	Width 340mm × Length 360mm × Depth 125mm (Inner diameter) -Internal warning light (7.0kg)	
		Basic	Width 350mm × Length 355mm × Depth 140mm (Inner diameter) - Internal warning light	
Materials	Plus (Steel, MDF, Formax) / Basic (Steel, Formax) / Light (Steel, Formax, EVA)			
Components	Plus		Main body (1), table (1), connecting rod (4), AED cabinet (1), multimedia (1 set), CPR sign (1)	
	Plus Score		Main body (1), table (1), connecting rod (4), AED cabinet (1), multimedia (1 set), CPR sign (1), score display LED panel (1 set)	
	Basic		Main body (1), connector (2), AED cabinet (1), multimedia (1 set), CPR sign (1)	
	Basic Score		Main body (1), connector (2), AED storage box (1), multimedia (1 set), CPR sign & score display LED panel (1 set)	
	SAM TS 22		22" Kiosk Body (1), Mannequin stand (1), Bluetooth-type mannequin (1)	
	SAM TS 43		43" Kiosk Body (1), Mannequin stand (1), Bluetooth-type mannequin (1)	
	SAM TS 55		55" Kiosk Body(1), Mannequin stand(1), Bluetooth-type mannequin(1)	

You can practice by yourself without an instructor

You can easily learn CPR with CEM, CPR Education Module, and also easily learn scenarios that meet the latest AHA (American Heart Association) regulations.

CPR procedure by a witness

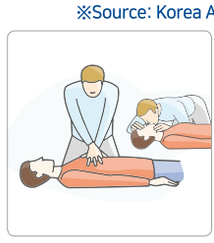
※Source: Korea Association of CPR (KACPR)

1. Check for cardiac arrest

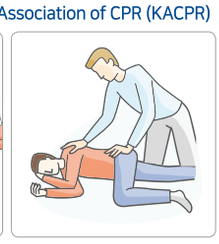
2. 119 report and AED request

3. 30 trials of chest compressions

4. 2 trials of artificial respiration



5. Repeat chest compressions and artificial respirations



6.Recovery posture

AED (Automated External Defibrillator)

CU-SP1 Plus

CU-SP1 Plus

Defibrillator	Operation method	Semi-automatic heart shock machine	Output waveform	e-cube biphasic
	Output energy	200J at 50Ω for adults/ 50J at 50Ω for children		
Appearance	Size	Width 260 × Length 256 × Height 69.5mm	Weight	Approx. 2.4kg (Battery pack, pad included)
Control system, Status display, CPR detection	Control System	Power button, i-button, Shock button, adult/child selector switch		
	Status display LCD	Equipment status, battery level, and pad status display		
	CPR Detection indicator	Indicates whether CPR is performed, and whether CPR is correct by light and blink.		
Battery	type	12V DC, 4.2Ah LiMnO2	Capacity	At least 200 electric shocks at first use approved or continuous operation 8 hours available (At room temperature)
	usage environment	Temperature range 0℃ ~ 43℃ (32℉ ~109℉)		
	Storage environment	Temperature range 0℃ ~ 43℃ (32℉ ~109℉)		
electro-cardiogram analysis system	Function	Analyzes the patient's impedance and electrocardiogram, and analyzes the rhythm of the need for defibrillation		
	Impedance	25Ω ~175Ω		
Data storage and transmission	Data storage	5 data storage in internal memory (max. 3 hours per datum)		
	Infrared communication	Communication with PC using infrared communication		
	SD Card	ECG data and event data in internal memory can be copied to check them through PC software (CU-Expert).		
Automatic/ Manual Self-diagnosis possible	Automatic Self-diagnosis	Power and real-time self-diagnosis test, Daily, weekly, monthly self-diagnosis test	Manual Self-diagnosis	Self-diagnosis test when the user inserts the battery Pack
Pad	For adults	Electrode area: 110㎠ Cable Length: Total 120cm	For children	Electrode area: 50㎠ Cable Length: Total 120cm
Basic	Device	Portable bag	1 pediatric/adult pad (disposable)	1 battery pack (disposable)
Option	Cabinet (Stand type)	Cabinet (Wall-mount type)		

What is an AED?

AED is a medical equipment that helps the cardiac arrest patient's heart to recover its regular rhythm by applying an electric shock which has been placed under a cardiac arrest due to ventricular fibrillation or ventricular tac.

ZOLL AED Plus

ZOLL AED Plus

Item/model name	Automatic heart shock machine / ZOLL Af.D Plus
Country of Manufacture	U.S.A
Manufacturer	ZOLL Medical Corporation
Provided language	KOREAN, ENGLISH
Purpose of use	An electric shock is applied to a patient who is in cardiac arrest to help the heart restore a regula rhythm.
Output waveform	Rectilinear Biphasic
Energy selection	120J, 150J, 200J
Charging holding time	30 second
Impedance	0 ~ 300 ohms
Data logging and storage	50 minutes of ECG and CPR data storage
LCD screen	Number of shocks, equipment operation time, ECG rhythm and CPR characters can be selected, Chest compression depth real-time movement graph
Graphic indicator	Red
CPR feedback	Audio metronome, chest compression depth indication, LCD screen chest compression display
Self-diagnosis function	1 to 7 day selectable (battery capacity, electrode connection status, electrocardiogram and energy charging, energy release circuit, microprocessor, hardware and software, CPR circuitry and CPR-D sensor,audio circuit)
Battery	5 years of use when stored at 20°C, 225 shocks or 13 hours of monitoring possible
Size(H*W*D)	13.3cm x 24.1cm x 29.2cm
Weight	3.1 kg
Storage temperature	-30°C ~ 60°C
Operating temperature	0°C ~ 50°C
Humidity	10% - 95 % (relative humidity, Non-Condensing)
Dust and waterproof grade	IP-55
Altitude	-300 ft ~ 15,000ft, -91m ~ 4,573m

Basic	Device	Portable bag	CPR D-Padz	Battery
Option	Cabinet (Stand type)	Cabinet (Wall-mount type)	Child Pedi-padz	

Supply cases

Major government offices and businesses

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