

# COMMODITY SPECIFICATION

<b>Product</b>	<b>Advanced CPR Simulator</b>	<b>Model</b>	<b>BT-CPEA-Plus</b>
<b>Manufacture</b>	<b>BT INC</b>	<b>Q'ty</b>	<b>1 SET</b>



## A. FEATURES

### - High-tech design

- ▶ Human rib style spring system.

### - New Automatic functions

- ▶ Pupillary reflex (3 cases)
- ▶ Pulse beating (Carotid pulse).
- ▶ Spontaneous breathing (Breath sound and Chest movement).

### - Blue-tooth communication

- ▶ Evaluation is easier by applying wireless communication between the simulator and laptop computer.
- ▶ Simultaneous evaluation is possible by connecting multiple simulators to 1 laptop computer.

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## - Over compression depth (7cm)

- ▶ Over compression can be detected by measuring extra 1cm from AHA guideline.

## - Defibrillator/ AED Shock

- ▶ It is possible to give real AED shock to the manikin.
- ▶ When user attach the defibrillator pads, cardiac rhythm such as VF, VT, Asystole, NSR will be displayed.

## - Verification in real-time

- ▶ Chest compressing, compression depth, position, rate, numbers and hands-off-time will be displayed in real-time.
- ▶ Airway, the angle of patient's head back will be displayed. (Hyper-extension)
- ▶ Artificial respiration, respiration volume, time, rate and numbers will be displayed in real-time.

## - 110/220V 50/60Hz Power Adaptor or battery

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## B. SPECIFICATION

- Practice chest compression and artificial ventilation with CPR training simulator.
- Practice the pre-CPR procedures such as consciousness checking pulse checking and airway opening.
- Defibrillator / AED System for education
- **Display windows**
  - ▶ Trainee information : Saving and Printing the trainee information
  - ▶ Training procedure setup : setting the guideline, scenario, evaluation point, training time and checklist.
  - ▶ Training screen :
    - Trainee info. / Training time / Status of manikin / Chest compression and artificial ventilation data will be displayed.
    - Check consciousness : After the trainee check the patient's consciousness, It will be marked at graph & history.
    - Check pulse : After the trainee check the patient's carotid pulse, it will be marked at graph & history.
    - Chest compression : During the chest compression, compression depth, position, rate, number and hands-off-time will be marked at graph & history.
    - Airway opening : When opening the airway, it will be marked at graph & history. (Hyper-extension)
    - Artificial respiration : During artificial respiration, respiration volume, time, rate and numbers will be marked at graph & history.
    - Defibrillation : When applying the defibrillation, shock time and number will be marked at graph & history / ECG, pulse, breathing per minute, pupil will be marked at current state.

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- ▶ Accuracy analysis : Chest compression, artificial respiration will be displayed as a chart in real-time.
- ▶ Practice record : All practice records from beginning to the end will be marked at graph & history.
- ▶ Checklist : The supervisor's checking results will be displayed.
- ▶ History : When auto item & checklist is activated, the data will be displayed at practice record.
- ▶ Metronome : Metronome setup. (OFF, 100bpm, 110bpm, 120bpm)
- ▶ Scenario : According to setting ECG, ECG signal, pulse, breathing per minute, pupil will be displayed in real-time.
- ▶ Evaluation result :
  - Trainee info, Result data display.
  - Total chest compression number, average depth, rate, hands-off-time, number of normal/ incomplete/ excessive depth, number of compression position (up, down, left, right side) and number of pressure relaxation and incomplete.
  - Total number of ventilation, average rate & volume, normal/ incomplete/ excessive volume of ventilation, number of stomach inflation, accurate ventilation and accuracy of artificial ventilation.
  - Total score and accuracy of assessment items will be displayed.
  - Item of runtime and total score will be displayed.
  - It is possible to save and print the results.
- ▶ Previous result :
  - Previous evaluation result of trainee can be uploaded.
  - Result summary / Training screen/ Accuracy analysis/ History's selective display.
  - User can print out the data and transfer to excel.

## C. CONSIST OF

- ▶ CPR Training manikin(Adult Torso) – 1EA
- ▶ Laptop(15.6inch) - 1EA
- ▶ Power Adaptor (12VDC 1.5A) - 1EA
- ▶ Battery Holder - 1EA
- ▶ Storage case - 1EA

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## D. WEIGHT & SIZE

- ▶ CPR training manikin(Whole body) : 18kg (168×50×21cm)
- ▶ Display device : 2.5kg (376×244×36mm)
- ▶ Storage case : 9.2kg (90×40×40cm)
- ▶ Total : Approximately 31kg