

COMMODITY SPECIFICATION

Product	ALS Training Simulator (Adult)	Model	BT-ACTB
Manufacture	BT INC	Q'ty	1 SET



A. FEATURES

- Simulator for adult resuscitation training and evaluation
- Lifelike body structure and silicon; Realistic training
- Various emergency simulation
- Rechargeable battery, completely wireless environment through Wifi and Bluetooth communication
- Pupillary response; Patient assessment and evaluation
- While chest compression, generate related pulse and check the ECG change from the patient monitor
- Possible to do chest compression and ventilation at the same time
- Palpate pulse at 8 sites (Left radial and brachial, left and right carotid/femoral/dorsal)
- Change the pulse strength and turn each pulse off/on
- Virtual patient monitor layout can be adjusted by selecting needed items
- When running a prepared scenario, the current patient status can be jumped to the next status by using a transition
- Scenario, Checklist can be exported or imported
- The result data can be printed out by using a printer connected to a facilitator laptop
- The detailed CPR result and even log can be saved to Excel format
- The event log can be sorted by item or time order

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B. SPECIFICATION

* EYES

- Light reflex / consensual slight reflex
- Adjust pupil size
- Light reflex speed adjustment : Prompt/Slow
- Eyelids : Open/Closed (Manual)

* Airway

- Head tilt/Chin lift, Jaw thrust maneuver
- Bag-valve-mask ventilation
- Airway intubation
 - ETT/LMA/l-gel/Combi-tube insertion
 - Detect the right main stem intubation
- Gastric intubation / Gastric inflation
- Check the force applied to the incisors
- Airway obstruction
- Needle decompression

* Cardiac

- 3-4 Lead ECG
- Defibrillation and cardioversion
- Display Defibrillation shock rhythm/ CPR rhythm
- Heart sound auscultation
- BP ; Palpation & Auscultation
- NIBP, ABP, PAP graphs through S/W
- Palpable pulses and ECG waveforms generated during CPR
- Pulse palpation synchronized with ECG
 - Bilateral carotid, femoral, dorsalis pedis
 - Radial and brachial pulse (Left arm only)
- Pulse strength adjustment (none / strong / moderate / weak)

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* Breathing

- Spontaneous breathing
- Unilateral and bilateral chest rise and fall
- Breathing sounds
- ETCO2 Capnography and SpO2 waveform through S/W
- Lung sound auscultation

* CPR real-time monitoring

- Compression depth and rate / incomplete recoil / hands-off time
- Hand position : Correct / Upper / Lower / Left / Right
- Ventilation volume and time / rate / RR
- CPR result and evaluation
- Chest compression & Ventilation at the same time

* Vascular access

- IV (right arm)
- IO (right tibia / right humeral)
- IM (right humeral)
- Medication (by S/W)

* Speech

- Vocal sound

* Software

- Manual mode / Scenario mode
- Save and print the result
- Offering the virtual patient monitor, virtual defibrillator and pacer function

* Power: AC/DC adaptor (AC input : AC100~220V, 50~60Hz, 2.5A, DC output : 16.8V, 4A)

* Weight and size of manikin : 172 x 54 x 24cm, approximately 22kg

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C. COMPONENTS

- Adult full body manikin 1ea
- Facilitator laptop 1ea
- Monitor PC 1ea
- Wifi router 1ea
- AC adaptor 1ea
- Storage case 1ea
- User manual 1ea
- Jacket/pants 1set
- Electrode cover sets for defibrillation (1 set for pads, 1 set for socket)
- IV pad 1ea
- IO module(tibia) 1ea, IO/IM module(humeral) 1 set
- Bottle for IV 1ea, bottle for IO 1ea
- Simulated blood 1ea
- Sphygmomanometer 1ea
- Cervical collar 1ea