

MANUAL

BIX/ALS1200-490 Advanced Comprehensive Emergency Nursing Training Simulator (Four in One)



Shanghai Chinon Medical Model & Equipment Manufacturing Co.,Ltd.

Ada Med Supply Limited

BIX/ALS1200-490 Advanced Comprehensive Emergency Nursing Training Simulator (Four in One)

Standard: American Heart Association (AHA) 2015 International Guidelines for Cardiopulmonary Resuscitation (CPR) & Emergency Cardiovascular Care (ECC)

Features: (This simulator can be used during training time on an existing office computer by installing the software. Other routine operations can be performed after exiting the program.)

■ Simulated Vital Signs:

.In the initial state, the simulator's pupils are dilated and the carotid artery is non-pulsating.

.During compressions, the simulator's carotid artery pulses passively, with the pulse rate consistent with the compression rate.

.After successful rescue, the simulator's pupils return to normal and the carotid artery pulses autonomously.

■ Artificial respiration and external cardiac compressions are possible. Standard airway opening is possible, and the airway indicator light illuminates.

■ Three operation modes: CPR training, model assessment, and practical assessment.

Mode 1: CPR training, including compression and airway training.

Mode 2: Model assessment, requiring the instructor to complete five cycles within a set timeframe, using a correct compression-to-air ratio of 30:2, according to the 2020 International CPR Standards.

Mode 3: Practical assessment, allowing the instructor to customize the timeframe, standard, number of cycles, frequency, and compression-to-air ratio.

Controller Display Features:

■ Electronic Monitoring: Electronic indicator lights monitor airway patency and compression location. The correct and incorrect counts of artificial respiration and chest compressions are displayed.

- Voice prompts: Voice prompts are provided in Chinese throughout training and assessments, and the voice prompts can be turned on and off, and the volume can be adjusted.

- Barcode indicating insufflation volume: The correct insufflation volume is 500-600ml-1000ml:

If the insufflation volume is too low, the barcode is yellow.

If the insufflation volume is appropriate, the barcode is green.

If the insufflation volume is too high, the barcode is red.

If the insufflation volume is too fast or too high, causing gas to enter the stomach, an indicator light will appear; a digital count display will be displayed; and an error message will be displayed.

- A barcode indicates the compression depth. The correct compression depth is 5-6cm.

If the compression depth is too low, the barcode is yellow.

If the compression depth is appropriate, the barcode is green.

If the compression depth is too high, the barcode is red.

- Adjustable operation time in seconds.

- Operation frequency: 100-120 times/minute.

- Power supply: 220V power supply, regulated by a voltage regulator, outputs 5V.

(Optional lithium battery installation for direct use without an external power supply.)

Printer Function:

- Prints a transcript after the procedure is completed.

Material Features: The facial, neck, chest, and hair skin are made of imported thermoplastic elastomer blend material, molded using stainless steel molds and injected at high temperatures on a molding machine. Features include accurate anatomical landmarks, realistic feel, uniform skin tone, lifelike form, aesthetically pleasing appearance, durability, resistance to deformation after disinfection and

cleaning, and easy assembly and replacement. The material quality is comparable to international standards.

AED Defibrillator Function:

1. Complies with the 10 AED scenario guidelines defined by the American Heart Association (AHA) and the American Red Cross;
2. Completely compliant with the actual AED user interface, featuring an on/off button and a defibrillator button;
3. LED digital tube displays the training procedure being demonstrated;
4. Intelligently detects electrode pad placement during live demonstrations;
5. Features a pause and play function with adjustable volume; and an audio interface.

Trauma Assessment Module:

Facial burns of grade I, II, and III degrees; forehead lacerations; premandibular wounds; open clavicle fracture and chest contusion; abdominal trauma with intestinal exposure; open humeral fracture of the right upper arm; open fracture, soft tissue laceration, and exposed bone tissue of the right hand; gunshot wound of the right palm; open femoral fracture of the right thigh; compound femoral fracture of the right thigh; metal foreign body puncture wound of the right thigh; open tibia fracture of the right lower leg; open fracture of the right foot with amputation of the right little finger; grade I, II, and III burns of the left forearm; amputation of the left thigh; closed tibia fracture of the left lower leg, and contusion of the iliac joint and foot.

Nursing Functions:

Hair and face washing; arm venipuncture and infusion (blood transfusion); deltoid injection; vastus lateralis injection; enema; urinary catheterization for men and women; bladder irrigation for men and women; general care: scrubbing, dressing, flexion, rotation, and vertical movement of the limb joints

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