

NEW! Fully compatible with CAE Maestro patient simulation software



CAE Apollo

Reliability meets
realism for nursing
or prehospital care

A proven patient simulator for more effective training

CAE Apollo is a high-fidelity, tetherless and fully wireless adult patient simulator. CAE Apollo has all of the benefits of CAE's modeled physiology to allow for more realistic patient behavior and responses to interventions. With tailored configurations for nursing or prehospital programs, CAE Apollo offers versatility and fidelity for individual or team training.

Built on a platform that has been field tested by more than 1,600 customers around the world, the CAE Apollo patient simulator allows learners to gain experience in a wide range of emergency or patient care scenarios. With a CPR analysis feature that is compliant with AHA guidelines, a realistic airway and articulation in the neck, shoulders, elbows, arms and hips, CAE Apollo sets the standard for reliability, quality and value in patient simulators.

Find out how CAE Apollo can redefine your expectations at caehealthcare.com

Your worldwide
training partner
of choice



Technical Specifications

Standard Equipment

- Apollo wireless and tetherless manikin: available in medium and dark skin tones
- Software-compatible tablet
- Available as CAE Apollo Prehospital and CAE Apollo Nursing
- CAE Maestro physiologically driven operating software:
 - » 4 Simulated Clinical Experiences (SCEs)
 - a. Anaphylaxis
 - b. Heart failure with pulmonary edema
 - c. Severe young asthmatic
 - d. Subdural hematoma
- One Maestro Standalone license
- One Physiology Option license for Maestro Standalone
- Ultrasound Scan Records: normal and pathologic cases including cardiac, abdominal, FAST and pleural surface scans
- Simulated patient monitor software
- Electronic user guide
- CAE Assurance Value Plan with customer and technical support, Training for Life™ and option to renew

Optional Equipment

- Simulated patient monitor device: all-in-one PC or tablet.
- Additional battery pack
- FX simulated wound kit
- FX simulated limb injuries
- Hands-free cable kit
- Wall air kit
- Manikin tool kit

Optional Software

- Learning Modules (More than 15 modules available)

Manikin

74" H x 26" W x 11" D (188cm x 66cm x 28cm)
100lbs (45.4kg)

Electrical

AC Input: AC 90-240VAC, 50/60Hz
Internal batteries: 18.5V, 233 Wh lithium-ion, rechargeable

Key Features

Airway

- Bag-valve-mask ventilation
- Head tilt/chin lift
- Jaw thrust
- Tongue swelling
- Bronchial occluder
- Surgical cricothyrotomy
- Needle cricothyrotomy
- LMA and other supraglottic adjuncts

Articulation

- Articulating neck, shoulders, elbows, arm and hips

Breathing

- Bilateral and unilateral chest rise and fall
- Spontaneous breathing
- Bronchial Occlusion
- Integrated SpO2 finger probe with simulated patient monitor
- Breath sounds over entire lungs
- Bilateral chest tube insertion, sensed, with fluid output

Circulation

- Defibrillation and cardioversion using live defibrillators
- Pacing (use of hands-free pads)
- 12-lead dynamic ECG display
- ECG monitoring posts and interface with real ECG monitor
- Bilateral blood pressure measurement by auscultation and palpation
- Bilateral carotid, brachial, radial, femoral, popliteal, posterior tibia, dorsalis pedis pulses

CPR

- Compliant with 2020 AHA BLS guidelines and 2021 ERC guidelines
- Adequate chest compressions result in simulated circulation, cardiac output, central and peripheral blood pressures, carbon dioxide return
- Hand-placement detection

Gastrointestinal

- Nasogastric tube placement
- Bowel sounds, all 4 quadrants

IV / IO / IM

- Bilateral IV placement sites in antecubital fossa and dorsum of hand
- IM injection site, right deltoid
- Humeral IO site, left

Neurological

- Blinking and reactive pupils with multiple settings
- Convulsions

Sounds

- Pre-recorded sounds and speech, custom vocalization recorded by the user, via wireless microphone



- Heart, bowel, and breath sounds (anterior and posterior) independently controlled
- Audible breathing sounds (wheezing and gasping)

Trauma

- Bleeding and fluid drainage linked to physiology
- Two simultaneous bleeding/moulage sites with 1.5 L blood tank capacity
- Limbs can be removed at the knees and elbows to support amputations
- Automatic responses to 68 intravenous and inhaled medications
- Responses are dose dependent and follow appropriate time course

Urinary

- Urinary catheterization
- Interchangeable male and female genitalia

Prehospital Configuration Additional Features

Airway

- Upper airway designed from CT scan data of a real human patient
- Intubation: orotracheal, nasotracheal, retrograde, fiber optic
- Right mainstem intubation detection
- Gastric distention with esophageal intubation
- Laryngospasm
- Airway occluder
- Posterior oropharynx occlusion

Breathing

- Carbon dioxide exhalation
- Bilateral needle decompression

Secretions

- Eye, nose and mouth

Nursing Configuration Additional Features

Airway

- Airway reservoir supports suctioning of fluids via tracheostomy tube

IV

- Subclavian venous catheter

Gastrointestinal

- Gastric reservoir supports simulated gastric lavage, gavage and gastric suction