



CAELuna

Your complete  
solution for  
neonatal training

## The perfect infant simulator for progressive skills development

CAE Luna is CAE Healthcare's first completely wireless and tetherless infant simulator. Available in three scalable patient configurations (Base, Live, Advanced), with full female-to-male gender conversion, CAE Luna provides neonatal training programs with everything needed to achieve critical learning objectives.

From newborn assessment and infant CPR to advanced life support and neonatal resuscitation, CAE Luna has a comprehensive range of features. Equipped with ports for peripheral IV, peripheral arterial catheter and subclavian catheter placement, CAE Luna facilitates priming of all fluid ports from a single site.

CAE Luna supports training in laryngospasm management, tracheostomy care and management, advanced mechanical ventilation (external lung option available) and, additionally, meets requirements for Infant Nursing Skills, the S.T.A.B.L.E. Program, the Neonatal Resuscitation Program (NRP) and Pediatric Advanced Life Support (PALS).

Discover true innovation in healthcare simulation. Discover CAE Luna at [caehealthcare.com](http://caehealthcare.com).

Your worldwide  
training partner  
of choice



# Technical Specifications

## Standard Equipment (Base, Live, Advanced models)

- CAE Luna wireless and tetherless infant manikin, medium and dark skin tones available
- One year CAE Express level support and maintenance

## Standard Equipment (Live/Advanced Models)

- Software-compatible tablet
- CAE Maestro instructor-driven software platform
- 1 CAE Maestro standalone license
- 1 Wireless StethoSym
- Includes 5 Simulated Clinical Experiences (SCEs)
  - Infant Code
  - Neonatal Abstinence Syndrome
  - Neonatal Resuscitation
  - Pneumothorax
  - Poor Perfusion
- Electronic User Guide

## Optional Equipment (Live/Advanced models)

- Patient monitor computer
- SymDefib external defibrillation box
- Additional StethoSym units
- Maestro physiology
- Additional standalone Maestro licenses

## Optional Equipment (Advanced model)

- External advanced lung

## Manikin

- 21 in H (53.34 cm)
- Approximate Weight = 8 lbs. (3.63 kg)

## Electrical

- AC Input: 115/230V 50/60Hz
- Internal Batteries: 3.8V 3.88Ah lithium-ion, rechargeable
- Runtime: Approximately 4 hours

# Key Features

## Articulation

- Realistic joint articulation
- Articulating neck, shoulders, elbows, hips and knees
- Forearm pronation and supination

## Airway

- Anatomically accurate oral cavity and realistic airway
- Nasotracheal/orotracheal intubation (ET tube)
- Head tilt, chin lift, jaw thrust
- Supports esophageal intubation
- LMA insertion
- Oral and nasal pharyngeal airway insertion
- Bag-valve-mask ventilation support
- Tracheostomy
- Laryngospasms (Advanced model)
- Intubation depth detection and software event log (Live/Advanced models)
- Dynamic lung compliance\*
- Dynamic airway resistance and lung compliance\*
- Variable lung resistance\*

## Cardiac

- Effective chest compressions generate palpable femoral pulses and ECG activity (Live/Advanced models)
- Supports ECG monitoring using real devices (Live/Advanced models)
- CPR Real-time quality feedback and reporting (Live/Advanced models)
- Chest compression depth sensor (Live/Advanced models)
- External SimDefib box (Live/Advanced models)
  - Defibrillate and cardiovert using real devices and energy
- Library of cardiac rhythms (Live/Advanced models)

## Circulation

- Palpable pulses (Live/Advanced models)
  - Brachial (Live model)
  - Brachial, femoral and umbilical (Advanced model)
- Pulse palpation event detection and logging
- Blood pressure dependent pulses
- Variable pulse strength
- Circumoral cyanosis (Advanced model)

## Gastric and Urinary

- Interchangeable female and male genitalia
- Abdominal distention when incorrectly intubated
- Urinary catheterization with urine output
- Feeding tube placement (no fluids)

## Neurologic

- Variable trislate eyes
- Manually manipulated fontanel (depressed, normal and bulging)
- Crying, grunting (Live/Advanced models)
- Active arm movement (Advanced model)



## Respiratory

- Unilateral chest rise with right mainstem intubation
- Automatic detection and logging of right mainstem (Live/Advanced models)
- Visible chest rise during bag-valve-mask ventilation
- Spontaneous, continuous breathing (Advanced model)
- Variable respiratory rates and inspiratory/expiratory ratios (Advanced model)
- Programmable unilateral chest rise and fall (Advanced model)
- Unilateral lung sounds synchronized with respiratory rate (Advanced model)
- Substernal retractions (Advanced model)
- Mechanical ventilation support (Advanced model with external lung)\*
  - A/C, SIMV, CPAP, PCV, PSV, NIPPV\*
  - Supports PEEP (up to 20 cmH<sub>2</sub>O) \*
  - Dynamic airway and lung controls\*
  - Variable lung compliance\*
  - Bilateral bronchial resistance\*
  - Programmable respiratory efforts for weaning/liberation\*
  - CO<sub>2</sub> exhalation\*
- Ventilation measurement (Live/Advanced models)
- Chest tube placement (Live/Advanced models)
- Mid-clavicular needle decompression (Live/Advanced models)

## Sounds

- Auscultation of normal and abnormal heart, lung and bowel sounds (Live/Advanced models with StethoSym)

## Vascular Access

- Bilateral anterolateral thigh intramuscular and subcutaneous injection sites
- IV cannulation: bolus infusion, and sampling
- IV Sites: upper arm, scalp and foot
- Peripheral arterial catheter placement
- Subclavian catheter placement
- Umbilical catheterization: continuous infusion and sampling
- IO tibial access

*\*Advanced model with external lung and Maestro physiology*