

## **S3004 - Pediatric HAL One Year**

Order code: **4108.S3004**



Information about product price on demand

Parameters

Quantitative unit

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- Simulation Made Easy®
- Tetherless with wireless communication
- Fully responsive even while being carried
- Modeling and trending
- Comprehensive performance feedback
- Includes Pediatric HAL Simulation Learning Experiences™ scenario package

### **Meet Pediatric HAL®, toddler-sized high-fidelity simulator.**

Pediatric HAL is a high-fidelity toddler patient simulator specifically designed to meet the needs of pediatric care training programs. Pediatric HAL can help your team train to improve teamwork and patient care through scenario-based training.

### **Wireless and tetherless**

Transitions between physiologic states in response to commands from a wireless tablet PC.

### **Active eyes**

HAL has blinking eyes with photosensitive pupils. Dilation, reactivity, and blink rate can be controlled automatically or by the instructor.

## **Defibrillate, cardiovert, and pace**

HAL's electrically conductive skin sites allow the use of real equipment to monitor ECG, pace, cardiovert, and defibrillation with live energy

## **Airway and breathing**

Improved airway allows better visualization of vocal cords and easy intubation.

## **Intraosseous access**

Intraosseous infusion and injection system with realistic tibia bones.

## **Cyanosis**

Color and vital signs respond to hypoxic events and interventions.

## **UNI® Simulator Control Software**

- Use our scenarios, modify them, or quickly build your own
- Change physiologic states “on the fly” using wireless control
- Changes in condition and care are time-stamped and logged
- Link “Palette” items to build a linear or branching scenario
- Sensors track interventions as well as changes to the condition of Pediatric HAL
- Lab tab allows creation of laboratory tests and results
- The Status panel on the left edge of the GUI window shows vital signs and other details
- Get real-time feedback on the quality of compressions and ventilations

## **Includes the new Pediatric HAL® Simulation Learning Experiences™ scenario package.**

The new Pediatric HAL Simulation Learning Experiences (SLEs) package provides you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant's learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience.

1. Appendicitis
2. Acute Lymphocytic Leukemia
3. Organophosphate Poisoning
4. Post-Op Cardiac Transplant
5. Respiratory Syncytial Virus (RSV)
6. Seizure Management
7. Sepsis
8. Status Asthmaticus
9. Trauma
10. Trauma Related to Child Abuse

## **General features**

- Physical size of a 1-year-old child
- Supports common patient positions including Fowler's, supine, and sitting
- Joint range of motion
- Tetherless and wireless; fully responsive during transport
- Internal rechargeable battery provides up to 3 hours of tetherless operation
- Available in light, medium, or dark skin tone at no extra charge
- Programmable blinking rate
- Active pupillary light reflex

- Seizures with selectable intensities

## **Airway**

- Wireless streaming voice option
- 50+ prerecorded speech responses
- Anatomically accurate oral cavity and airway
- Airway sounds
- Programmable crying included with streaming voice option
- Oral and nasal endotracheal intubation
- Supports NG/OG tube placement (dry exercises only)
- Tongue edema
- Tracheostomy care site; tracheal suctioning (dry exercises only)
- Tracheal intubation depth detection and logging

## **Breathing**

- Visible chest rise with positive pressure ventilation
- Ventilations are measured and logged in real-time
- Spontaneous breathing with selectable respiratory patterns
- Programmable respiratory rate and inspiratory: expiratory ratio
- Programmable unilateral chest rise and fall
- Real CO<sub>2</sub> exhalation option
- Selectable normal and abnormal lung sounds
- Bilateral anterior lung sounds
- Unilateral chest rise with right mainstem intubation

## **Circulation**

- eCPR™ Real-time CPR performance monitoring and training
- Chest compressions generate palpable pulses
- Programmable normal and abnormal heart sounds synchronized with ECG
- Includes comprehensive library of ECG rhythms with customizable beat variations
- Supports ECG monitoring with real devices
- Defibrillation, cardioversion, and pacing using real devices and live energy
- Central cyanosis with variable intensities
- Detects placement of real pulse oximetry devices
- Palpable bilateral pulses (automatic): carotid, brachial, radial, and femoral pulses
- BP measurement by auscultation using a sphygmomanometer
- Realistic Korotkoff sounds
- Bilateral IV access: bolus, infusion, and sampling
- Intraosseous access proximal tibia

## **Other**

- Selectable normal and abnormal bowel sounds
- Urinary catheterization with fluid return
- Interchangeable female and male genitalia

## **Optional**

### **Gaumard Vitals™ Bedside Virtual Monitor**

S3004.001.R2

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

**Gaumard Vitals™ Portable Virtual Monitor**

S3004.002

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

**Wireless streaming audio**

S3004.300

Add pre-recorded crying or be the voice of Pediatric HAL and increase realism during simulated patient-provider interactions.

**CO<sub>2</sub> exhalation regulator**

S3004.178

Real and measurable EtCO<sub>2</sub> with 10 programmable levels of CO<sub>2</sub> output.