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## S3005 - Pediatric HAL Five Year

Order code: **4108.S3005**



Information about product price on demand

Parameters

Quantitative unit

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- Simulation Made Easy®
- Proven HAL technology
- Tetherless with wireless communications
- Fully responsive, even during transport
- On-the-fly or scenario-based control
- Includes Pediatric HAL® Simulation Learning Experiences™ scenario package

### **Deliver high-quality pediatric simulation-based training with Pediatric HAL®.**

From nursing to emergency care, Pediatric HAL allows you to train teamwork and patient care skills through hands-on exercises. Pediatric HAL is wireless and tetherless and remains fully functional while being moved from place to place.

#### **Realistic airway**

Supports oral and nasal endotracheal intubation and features a tracheostomy site for care exercises

#### **Airway and breathing**

Programmable chest rise and respiratory patterns.

## Real-time CPR feedback

Realistic chest recoil, visible chest rise with PPV, and variable central cyanosis.

## Intraosseous access

Intraosseous infusion and injection system with realistic tibia bones.

## Supports real monitors

Monitor BP and ECG. Pace and defibrillate using live energy. Detects placement of real pulse oximeter.

## IV Access

Supports bolus, infusion, and sampling.

- Use our preprogrammed scenarios designed by medical professionals. Modify them or quickly create your own
- Use our library of preprogrammed physiologic states, modify them, or specify Pediatric HAL's condition using the Details page
- Save each condition as a physiologic state on the palette page
- Control Pediatric HAL using a wireless PC to quickly generate multiple life-threatening situations and track the actions of care providers

## 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. Acute Lymphocytic Leukemia
2. Appendicitis
3. Post-Op Cardiac Transplant
4. Potential Organophosphate Poisoning
5. Respiratory Syncytial Virus (RSV)
6. Sepsis in a Six-Year-Old
7. Seizure Management
8. Status Asthmaticus
9. Trauma Related to Child Abuse
10. Five-Year-Old with Trauma

- Select Pediatric HAL's physiologic states from the palette page and combine them to build a scenario
- Select the time Pediatric HAL is in each state
- Build in delays between states or specify smooth transitions
- When activated, Pediatric HAL will progress from one state to the next
- Use stylus control to branch to a different state should the team treat Pediatric HAL incorrectly without stopping the scenario
- Invoke Pediatric HAL's extensive library of voice responses at any time and combine them to facilitate a dialogue
- Actions are logged and time-stamped for evaluation and debriefing

## General features

- Simulation Learning Experiences™ scenario package
- Physical size of a 5-year-old child
- Tetherless and wireless; fully responsive during transport
- Supports common patient positions including Fowler's, supine, and sitting
- 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
- Independent, active pupillary light reflex
- Seizures with selectable intensities

## **Airway**

- Wireless streaming voice option
- 50+ prerecorded speech responses
- Anatomically accurate oral cavity and airway
- Programmable normal and abnormal airway sounds synchronized with respiration
- Programmable crying included with streaming voice option
- Oral and nasal endotracheal intubation
- Supports NG/OG tube placement (dry exercises only)
- Programmable 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
- Posterior lung sounds
- Unilateral chest rise with right mainstem intubation

## **Circulation**

- eCPR™ Real-time CPR performance monitoring and training
- Chest compressions generate palpable pulses
- Programmable heart rate and healthy and abnormal heart sounds
- 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
- Anterior/posterior defibrillation sites available as an option
- Central cyanosis with variable intensities
- Detects placement of real pulse oximetry devices
- Bilateral palpable: pulses carotid, brachial, radial, and femoral
- Blood pressure can be measured with BP cuff via auscultation and palpation
- Realistic Korotkoff sounds
- Bilateral IV access: bolus, infusion, and sampling
- Intraosseous access proximal tibia

## **Other**

- Gastric distension with excessive BVM ventilation or esophageal intubation
- Selectable normal and abnormal bowel sounds
- Urinary catheterization with fluid return
- Interchangeable female and male genitalia

## **Optional**

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

S3005.001.R2

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

### **Gaumard Vitals™ Portable Virtual Monitor**

S3005.002

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

### **Wireless streaming audio**

S3005.300

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**

S3005.178

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