

HAL[®] S3004

One Year Old Pediatric Simulator

- Simulation Made Easy™
- Tetherless with wireless communication
- Fully responsive even while being carried
- Modeling and trending
- Comprehensive performance feedback
- New and improved airway features

HAL® S3004 | One Year Old Pediatric Simulator

Pediatric HAL® allows you to take advanced simulation where you need to train. It may be at an accident scene, in an ER, an EMS vehicle, or even in a PICU. HAL® remains fully functional while being moved from place to place. This “Care in motion” allows you to evaluate both team training and how well patient “hand-offs” are conducted. What is done well? What needs to be improved?

Realistic

Realistic size and weight, tetherless connectivity, airway, chest rise, cyanosis, pre-recorded sounds and a variety of other features make for highly realistic scenarios.

Mobile

No external compressors, no linking boxes, no cords; just HAL® and a Tablet PC wirelessly connected for up to 300 feet.

Complete Solution

From our standard one year warranty and pre installed scenarios, to multiple service, training, and warranty offerings, we cover all of your simulation needs.

Affordable

Gaumard® dedicates its talents to providing simulators at affordable prices. This principle remains as true today as it was over 60 years ago.

Intuitive Software

Our intuitive and powerful user interface defines... Simulation Made Easy™.

Debriefing

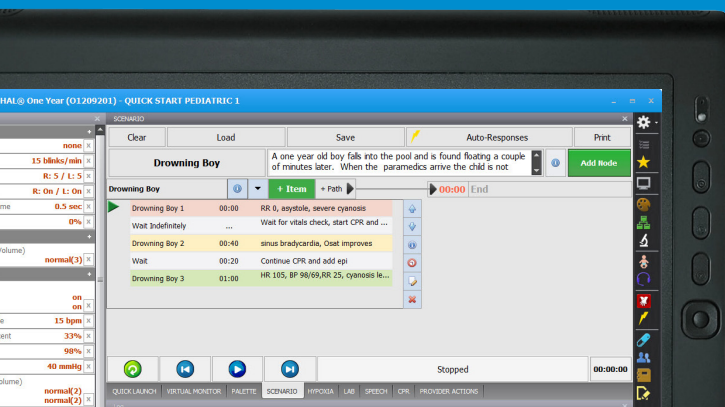
Evaluate interventions and insert notes on a real time performance log. Use an integrated camera system for comprehensive debriefing.

Reliable

Standard one year warranty and over 60 years of experience building high quality patient simulators.

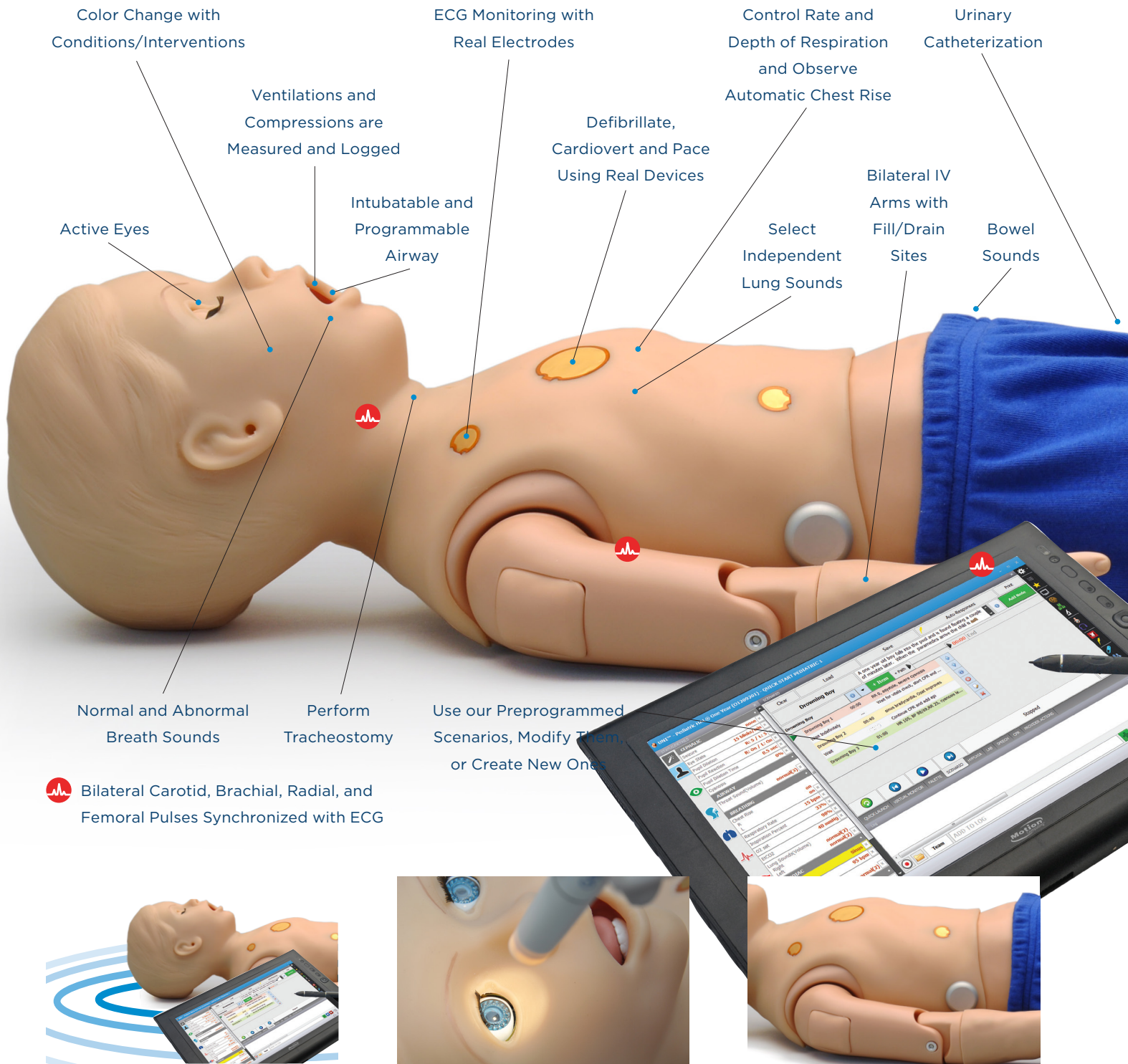
Proven Technology

Gaumard® pioneered wireless and tetherless simulators back in 2004. Pediatric HAL® is part of our growing family of these remarkable products.



Tablet PC

Includes a 12in touchscreen tablet PC with stylus control, “bump” case and scenarios.



Color Change with Conditions/Interventions

ECG Monitoring with Real Electrodes

Control Rate and Depth of Respiration and Observe Automatic Chest Rise

Urinary Catheterization

Ventilations and Compressions are Measured and Logged

Defibrillate, Cardiovert and Pace Using Real Devices

Bilateral IV Arms with Fill/Drain Sites

Bowel Sounds

Active Eyes

Intubatable and Programmable Airway

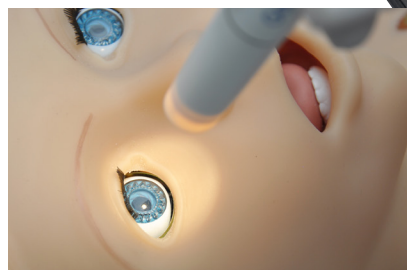
Select Independent Lung Sounds

Normal and Abnormal Breath Sounds

Perform Tracheostomy

Use our Preprogrammed Scenarios, Modify Them, or Create New Ones

Bilateral Carotid, Brachial, Radial, and Femoral Pulses Synchronized with ECG



Tetherless

Control HAL® at distances up to 300 feet while he smoothly transitions between physiologic states in response to commands from a wireless tablet PC.

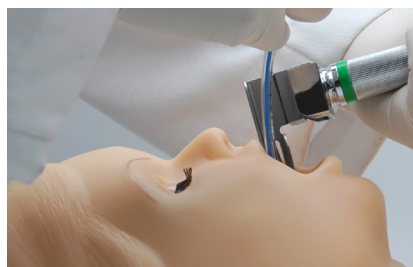
Active Eyes

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

Defibrillate, Cardiovert and Pace Using Real Devices

HAL's electrically conductive skin regions allow the use of real equipment to obtain his ECG, perform temporary pacing, cardiovert, and defibrillate.

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Airway and Breathing

Improved airway allows better visualization of vocal cords and easy intubation. Lung compliance refined to deliver chest rise when ventilating at 20cm H₂O.



Intraosseous Access

Intraosseous infusion and injection system with realistic tibia bones.



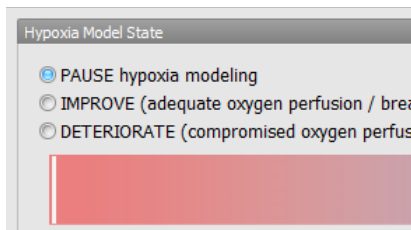
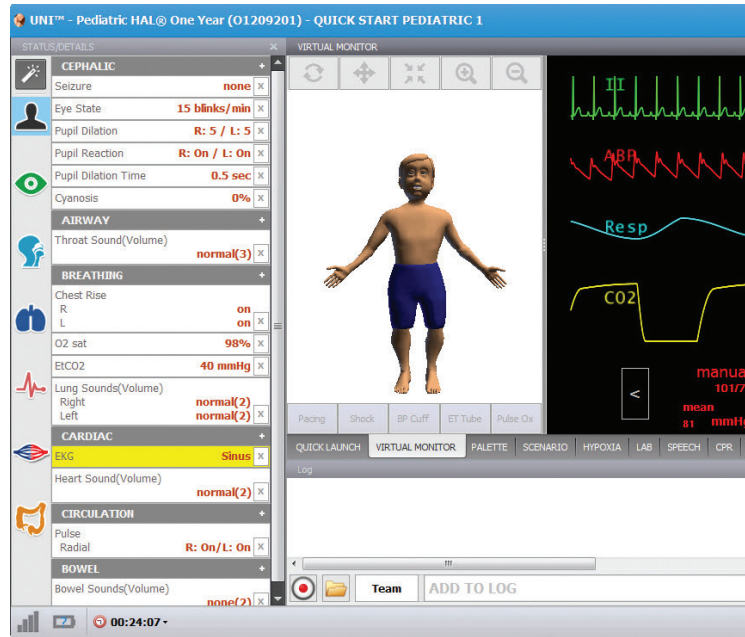
Cyanosis

Color and vital signs respond to hypoxic events and interventions.

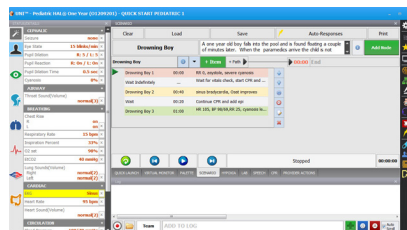
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UNI™ Software

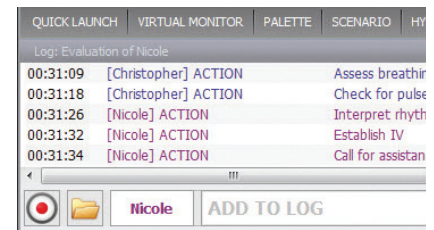
- Use our scenarios, modify them or quickly build your own
- Change physiologic states “on the fly” using wireless control
- Changes in condition and care are time stamped and logged
- Link “Palette” items to build a linear or branching scenario
- Sensors track interventions as well as changes to the 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



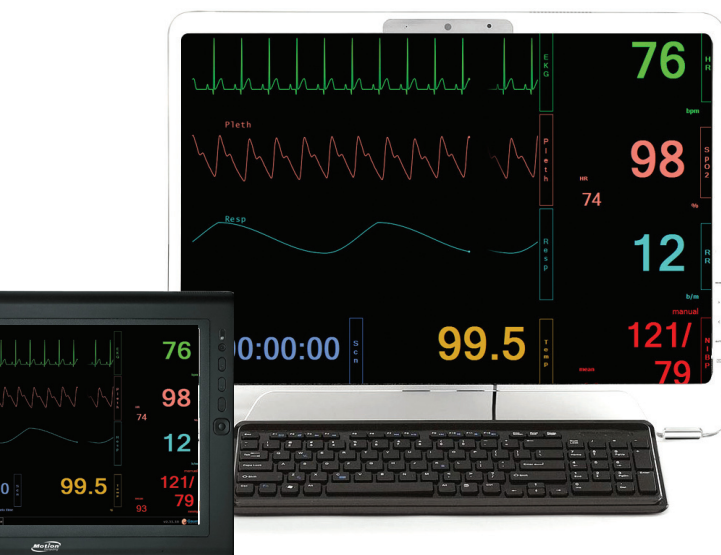
Hypoxic model responds to care provider actions



Scenarios link physiologic states



Track the actions of up to six care providers



Vital Signs Monitor

- Optional 20in “all-in-one” touchscreen virtual monitor or 12in Touch Screen Tablet to display vital signs
- Customize each trace independently; users can set alarms, and time scales
- Display up to 12 numeric values including HR, ABP, CVP, PAWP, NIRP, CCO, SpO₂, SvO₂, RR, EtCO₂, temperature, and time
- Select up to 12 dynamic waveforms including ECG Lead I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6, AVP, CVP, PAWP, pulse, CCO, SvO₂, respiration, capnography
- Share images such as x-rays, CT scans, lab results, or even multimedia presentations as the scenario progresses

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File Sharing

- Provide students with images such as x-rays, CT scans, lab results, or even multimedia presentations as the scenario progress

Log

- Track the actions of up to six care providers using our menu of responses or write a narrative
- Links with Pro+ recording and debriefing system integrating the log with cameras and patient monitors

Defibrillate, Cardiovert and Pace

- Apply real electrodes and AED pads
- Use real EMS equipment
- See electrical interventions on your AED or our monitor ECG
- View ECGs with physiologic variations generated in real-time
- Synchronized with pulses
- Conductive skin regions
- Apply real electrodes

Motion

- Fully responsive even when carried
- Body convulses on command
- Eyes open / close and feature slow or rapid blinking

Hypoxic Modeling

- Color and vital signs respond to hypoxic events and interventions

Sounds

- Extensive speech library
- Heart sounds include a normal heart as well as splits and murmurs
- Respiratory sounds include normal lungs as well as stridor, bronchial, wheezing, pleural friction and crackles
- Bowel sounds

Venous Access

- IV training arms
- IM sites on shoulders and thighs
- Intraosseous access at tibia

Simulator

- Physical size is 1 year of age
- Self-contained respiratory and circulatory functions
- Active eyes
- NG and otic exercises
- Tracheotomy opening
- Interchangeable genitalia
- Enema administration
- Two way wireless communication
- Internal rechargeable power

Control

- Wireless tablet PC with stylus control
- Communication modules are FCC and CE compliant
- Both physiologic modeling and trending
- Comprehensive performance feedback
- Preprogrammed scenarios
- Build your favorite scenarios

Accessories

- 100-240 VAC charger
- Blood pressure cuff
- Instructions
- CDROM tutorial
- Carrying case

Other

- One year limited warranty; extended warranty to three years
- Installation and training services available

HAL® S3004 S3004

Patented; other patents pending

Options

20in All-in-one Touch Screen PC to Display Vital Signs

S3004.001.R2

12in Touch Screen Tablet to Display Vital Signs

S3004.002

Wireless Streaming Audio

S3004.300

Pro+ Recording and Debriefing System

S3004.211

Automatic “Physiologic” Mode

S3004.600

- Responds to caregiver, instructor and pharmacologic intervention
- Pause and resume anytime
- Add meds using drug template