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## HAL S1000® Advanced Life Support and Emergency Care Simulator

Order code: **4108.S1000**



Information about product price on demand

Parameters

Quantitative unit

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- Intubatable and programmable airway
- Defibrillate, cardiovert, and pace using real equipment
- Needle decompression and chest tube
- eCPR™ - CPR effectiveness monitoring and smart trainer
- Includes HAL® Simulation Learning Experiences™ scenario package
- Wireless and tetherless; fully functional in transport

### **Simply the best valued patient simulator for ALS and emergency response training.**

HAL S1000 je bezdrátový počítačem ovládaný celotělový patientský simulátor výhradně navržen k pohlcujícímu nácviku krizových situací a pokročilé resuscitace založenému na simulaci. Simulátor HAL poskytuje účastníkům možnost nacvičovat praxi a používání reálného vybavení v reálném prostředí a zlepšovat tak své znalosti, dovednosti a týmovou spolupráci.

## **UNI® simulator control interface included**

The UNI simulator control software provides you with all the tools you need to deliver a rich simulation experience from one intuitive interface. UNI features precise touchbased controls, task automation, real-time feedback, and automatic data capture tools designed to operate seamlessly during even the most complex scenarios.

- Drive scenarios on-the-fly or using preprogrammed scenarios
- Precise physiological control over cardiac, breathing, and circulation parameters
- Monitor and analyze CPR quality performance in real-time
- Export CPR performance reports for debriefing

## **Perform chest compression and ventilation**

Compress the chest hard and fast; feel the realistic recoil after each compression.

## **Pulse sites synchronize with BP and heart rate**

Carotid, femoral, and radial pulses operate continuously and are synchronized with the ECG.

## **Intubatable and programmable airway**

Use NP/OP/ET/LMA tubes. Program tongue edema and laryngospasm.

## **Defibrillate, cardiovert, & pace using real equipment**

Defibrillate, cardiovert, and pace using real EMS equipment and see HAL's ECG on your real devices.

## **Wireless streaming voice**

Be the voice of HAL and hear caregiver responses. Create and store vocal responses or select from 80+ prerecorded phrases.

## **Wireless and tetherless**

HAL is completely self-contained, wireless, and fully operational on battery for up to 5 hours.

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

The new HAL Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant 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:

- Acute Anterolateral Myocardial Infarction
- Acute Sepsis Related To Diabetic Ulcer
- Atrial Fibrillation
- COPD Exacerbation
- Diabetic Ketoacidosis
- Opioid Overdose
- Pulmonary Embolism
- Sepsis Related To Pneumonia
- Severe Sepsis
- Supraventricular Tachycardia

## **Real-time CPR feedback**

Monitor compression depth and rate, ventilations, “no-flow” time, and number of cycles. Export performance reports for debriefing

### **Bilateral IV arms**

Bilateral IV training arms can be used for bolus or intravenous infusions.

### **View dynamic ECG**

View dynamic ECG on a real ECG monitor. AED shown converting HAL’s ventricular fibrillation.

### **Spontaneous chest rise and realistic heart and lung sounds**

Program variable respiratory patterns and heart and lung sounds.

### **Needle decompression and chest tube**

HAL supports bilateral needle decompression and chest tube placement.

### **Surgical trachea**

Realistic surgical trachea allows tracheotomy or needle cricothyrotomy

## **Features**

- Tetherless and wireless; fully responsive during transport
- Fully operational on internal battery power for up to 5 hours
- Supports common patient positions including Fowler’s, supine, and sitting
- Wireless streaming voice; be the voice of HAL
- Includes the HAL Simulation Learning Experiences scenario package
- Normal, miosis (constricted), and mydriasis (blown) pupil state
- Independent left/right pupil states simulate consensual and nonconsensual response
- UNI laptop PC included
- Supports tracheal intubation using standard ETTs and supraglottic airway devices
- Program tongue edema or laryngospasm
- Use an ET tube or LMA
- Sensors detect depth of intubation
- Unilateral chest rise with right mainstem intubation
- Multiple upper airway sounds synchronized with breathing
- Realistic surgical trachea allows tracheotomy or needle cricothyrotomy
- Control rate and depth of respiration and observe chest rise
- Ventilations measured and logged
- Gastric distension with excess BVM ventilation
- Select independent left and right lung sounds
- Chest rise and lung sounds are synchronized with selectable breathing patterns
- Supports assisted ventilation, including BVM
- Unilateral chest rise simulates tension pneumothorax
- Multiple lung and breath sounds with volume control
- Multiple heart sounds, rates, and intensities
- Chest compressions are measured and logged
- Blood pressure can be taken on left arm using a modified cuff, palpation, or auscultation
- Bilateral needle decompression at second intercostal
- Bilateral carotid and femoral pulses, plus the left radial pulse operates continuously
- Bilateral lower arm IV access
- Intraosseous access at right tibia
- Pulse strengths vary with HAL’s blood pressure, and pulses are synchronized with the ECG
- Detects placement of oxygen saturation sensor on index finger

- HAL has conductive skin regions so you can apply real electrodes and AED pads
- Defibrillate, cardiovert, and pace using real EMS equipment and see HAL's ECG on your AED
- Program HAL's response to defibrillation
- View dynamic ECG in your real ECG monitor
- Links with optional audio-visual system that integrates the event log with feeds from camera and the simulated patient monitor for comprehensive debriefing
- Programmable bowel sounds
- Programmable central cyanosis

## **Optional**

### **UNI® Tablet PC Upgrade**

S1000.215

Upgrade HAL's control laptop to a lightweight tablet PC for increased mobility. Package includes: Microsoft Surface Pro, stylus pen, and rugged protective case. Option only available at time of initial purchase.

### **CO<sub>2</sub> Exhalation**

S1000.078

Real CO<sub>2</sub> exhalation. 10 programmable levels of CO<sub>2</sub> output. Option only available at time of initial purchase.

### **Urinary Catheterization**

S1000.070

Internal bladder and catheterizable male genitalia. Option only available at time of initial purchase.

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

S1000.001.R2

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.

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

S1000.002

Gaumard Vitals portable virtual monitor. One Gaumard Vitals patient simulator license