



**Gaumard**<sup>®</sup>  
Simulators for Health Care Education



## HAL<sup>®</sup> S3000

Wireless and Tetherless Prehospital and  
Nursing Patient Simulator

- Programmable airway, breathing, and circulation
- eCPR™ - CPR effectiveness monitoring
- Advanced surgical airway
- Real ECG monitoring and defibrillation
- Wireless and tetherless mobility for care in motion training
- Airworthiness Certified

# HAL® S3000 | A Proven Tetherless Simulator

HAL is an effective simulation tool for training prehospital and nursing care students and professionals. Use HAL to train individual and team skills at the point-of-injury, during transport, and in the hospital, in both real and simulated environments. HAL is completely self-contained and wireless, making it easy to transport and to set-up.



eCPR™ Train using real-time CPR quality metrics and smart coaching. Real EtCO2 capability



Train oral or nasal intubation: ETT, LMA, King LT. or via tracheostomy or needle cricothyrotomy



Bilateral IV training arms; adjust HAL's response to boluses and/or IV infusion



Blood pressure can be taken using our realistic BP cuff, palpation, or auscultation methods



Bilateral carotid, radial, brachial, femoral, and pedal pulses operate continuously. Pulse strengths vary with HAL's blood pressure and pulses are synchronized with the ECG



Includes wireless tablet PC and UNI® simulator control software. Control him at distances up to 300 meters

## NEUROLOGIC

- Active Eyes; programmable blink rate, pupil size, and pupil reaction
- Severe or mild seizures
- Preprogrammed speech responses

## AIRWAY

- Oral or nasal intubation: ETT, LMA, King LT
- Programmable difficult airway: Laryngospasm, pharyngeal swelling, tongue edema
- Sensors detect depth of intubation
- Surgical airway: tracheostomy or needle cricothyrotomy
- Unilateral chest rise with right mainstem intubation
- Multiple upper airway sounds

## BREATHING

- Control rate and depth of respiration and observe spontaneous breathing
- Ventilation is measured and logged
- Gastric distension with excess BVM ventilation
- Select independent left, right, upper, and lower lung sounds
- Accommodates assisted ventilation including BVM and mechanical support
- Tension pneumothorax and bilateral needle decompression sites
- Bilateral chest tube sites at 5th Intercostal space
- Optional real EtCO2

## CARDIAC/CIRCULATION

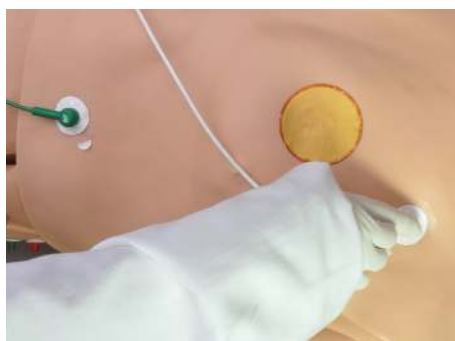
- Normal and abnormal heart sounds, rates, and intensities
- ECG monitoring using real devices
- eCPR sensors; Chest compressions are measured and logged
- Bilateral IV sites
- Measurable blood pressure with audible Korotkoff sounds
- Visible cyanosis
- Bilateral carotid, radial, brachial, femoral, popliteal, and pedal pulses

## OTHER

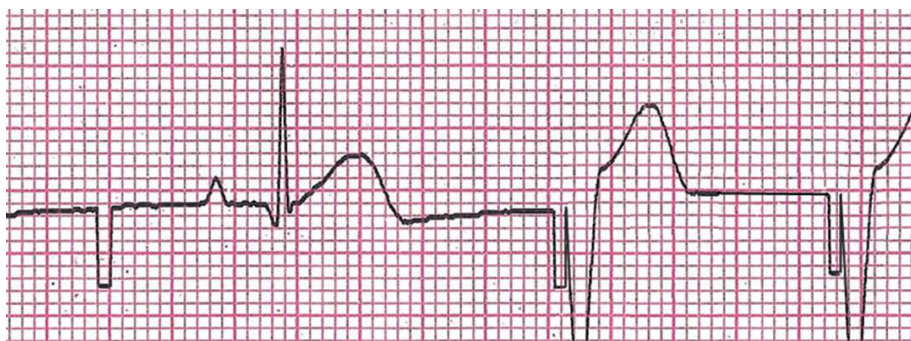
- Bowel sounds 4 quadrants
- Male/Female catheterization

## HAL® S3000 | A Proven Tetherless Simulator

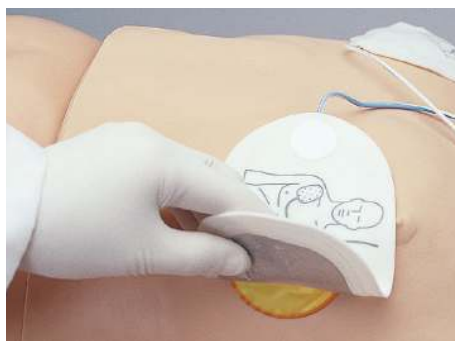
HAL's physiological features allow learners to monitor and manage an infinite number of simulated conditions using real tools and medical devices. HAL's conductive skin regions support ECG monitoring in real-time, pacing, cardioversion, and defibrillation using your native equipment.



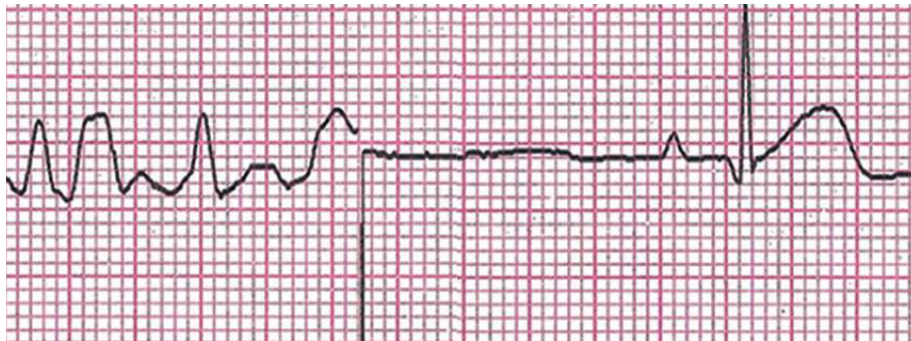
Attach real electrodes and view HAL's ECG generated in real time. HAL's ECG features physiologic variations in rhythm, never repeating textbook patterns



Here pacing therapy converts HAL's profound bradycardia into paced ventricular rhythm. HAL® can be paced anteriorly at the defibrillation sites



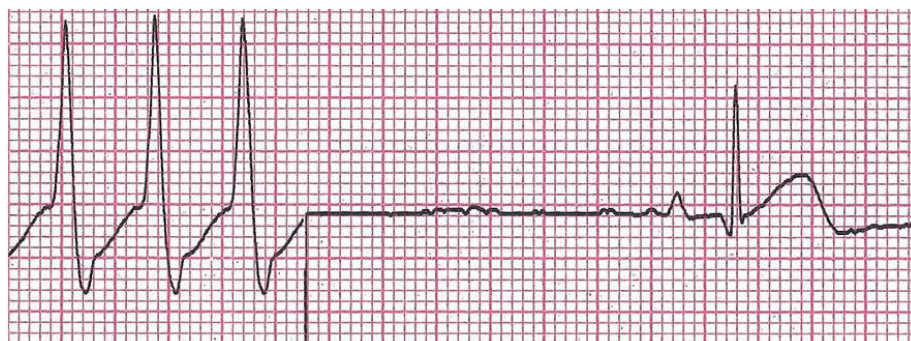
Attach AED pads directly to HAL's conductive skin. Your AED will display HAL's ECG, analyze his cardiac rhythm, and advise action



Program HAL's response to defibrillation. Stack shocks as needed. Here an AED is shown converting HAL's ventricular fibrillation into normal sinus rhythm



Use monophasic or biphasic defibrillators on HAL's skin. Shock HAL® using your defibrillator just like a real patient

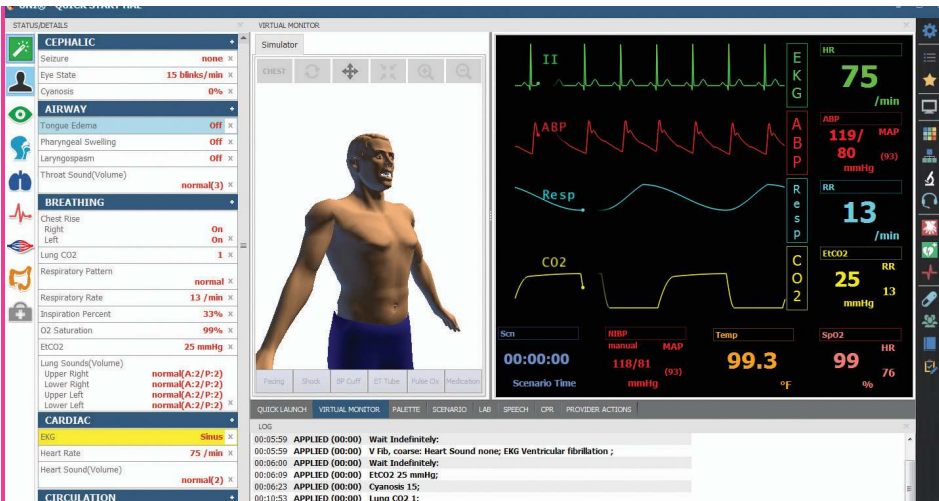


HAL® even distinguishes between defibrillation and synchronized cardioversion. Here a shock resolves pulseless ventricular tachycardia

# UNI® UNIFIED SIMULATOR CONTROL SOFTWARE

## UNI™ FEATURES

The UNI® interface design is shared across our growing line of 15+ computer controlled patient simulators, so you can easily operate any Gaumard product without retraining, thus saving your program valuable time and money.



### ADVANCED 12-LEAD ECG

#### S3000.120

- Real and measurable EtCO2 with 10 programmable levels of CO2 output.
- Internal CO2 system allows tetherless operation.

### AUTOMATIC PHYSIOLOGIC CONTROL

#### S3000.600

- Automatic responses to care provided, medications, blood loss and more.
- 50+ preprogrammed drug library

### 20" TOUCHSCREEN PATIENT MONITOR

#### S3000.001.R2

### 12" PORTABLE VIRTUAL PATIENT MONITOR

#### S3000.002

### TRAUMATIC LEG/ARM AMPUTATION

#### S3000.004

#### S3000.005

### CASUALTY, EMERGENCY, TRAUMA, BURN WOUND KITS

#### WK120

#### WK100

#### WK110

#### WK105

Skin tones available at no extra charge

● Light ● Medium ● Dark

## REQUEST A QUOTE

www.gaumard.com

### Toll Free USA & Canada

Call 8:00 a.m. - 7:30 p.m. ET

Monday - Friday

800.882.6655

### Worldwide

305.971.3790

### Fax

305.252.0755

### Sales / Customer Service

sales@gaumard.com

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**MADE IN THE USA**

### PRECONFIGURED AND READY

UNI comes preloaded and preconfigured on the rugged 12" wireless tablet PC included.

### 3D PATIENT VISUALIZATION MONITOR

This real-time 3D view of the patient ensures you never lose track of provider/patient interaction during the simulation.

### POWERFUL EASY-TO-USE CONTROLS

Control HAL using preprogrammed scenarios, on-the-fly controls, or optional physiologic model

### SCENARIO LIBRARY INCLUDED

Quickly and easily create your own scenarios and share them.

### TIME STAMPED EVENT RECORDING AND REPORTING

The automated event tracking and interaction recorder ensures important events are always captured so you can focus on the action.

### CONTROL VIEW REPLAY

The built-in recorder captures UNI's screen as data so you can review the simulation from the operator's chair.

### eCPR™ MONITORING

Monitor and assess CPR performance in real-time, simulate perfusion dependent on effectiveness, and export performance reports for debriefing.



No annual operating license or software update fee. Keep your program's operating costs down year after year.

### HAL® S3000

#### S3000

Patented; other patents pending

- Tetherless Adult Patient Simulator
- Wireless tablet PC; UNI license
- Preprogrammed scenarios
- Battery charger, BP cuff, surgical trachea kit, pneumo. decompression sites, user guides
- One-Year Limited Warranty
- Extended warranty plans available

### OPTIONAL ADD-ONS

#### WIRELESS STREAMING AUDIO

#### S3000.300

- Bidirectional digital voice and data communication

#### REAL CO2 EXHALATION

#### S3000.078

- Real and measurable EtCO2 with 10 programmable levels of CO2 output.
- Internal CO2 system allows tetherless operation.

#### INTRAOSSUEOUS LEG

#### S3000.028

8 tibia, 75ml reservoir, Skin cover