



Gaumard[®]
Simulators for Health Care Education



HAL[®] S3101

Proven Wireless and Tetherless
Patient Simulator

- Automatic Physiologic Control
- 52 drug library and pharmacology editor
- eCPR™ - CPR effectiveness monitoring
- Supports real ECG monitors, AED, oximeters, capnometers, and blood pressure cuffs
- Wireless and tetherless mobility for care in motion training

HAL® S3101 | A Proven Tetherless Patient Simulator

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's physiological features allow learners to monitor and manage an infinite number of simulated conditions using real tools and medical devices.



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



Monitor CPR quality, EtCO₂, defibrillation, and medication management to improve ACLS performance



Attach real electrodes, pads, or paddles and monitor HAL's lifelike rhythm in real-time



Bilateral carotid, radial, brachial, femoral, popliteal, and pedal pulses. Pulse strengths vary with BP and pulses are synchronized with the ECG



Monitor, capture, cardiovert, and pace using a real defibrillator and real energy.



Bilateral IV access for bolus and/or infusion training and simulate the effects using the virtual drug administration

AN ADVANCED PATIENT SIMULATOR

HAL is the perfect adult patient simulator for training students and professionals in the areas of prehospital and nursing care.

WIRELESS AND TETHERLESS MOBILITY

HAL is completely self-contained and wireless and fully operational on battery for up to 6 hours.

MONITOR USING REAL DEVICES

Monitor and provide care using your native equipment. HAL supports real ECG monitors, oximeters, BP cuffs, and defibrillators just like a real patient.

WIRELESS VOICE COMMUNICATION

Be the voice of HAL and hear caregiver responses. Create and store vocal responses or select from a 80+ pre-recorded phrases.

NURSING CARE TRAINING

Train pupil examination, male/female catheterization, IV administration, tracheostomy care, and more.

ACLS TRAINING

Train difficult airway management, improve CPR quality, EtCO₂ monitoring, practice defibrillation, and manage post-cardiac care.

TURN-KEY SOLUTION

HAL is fully equipped and ready for use. HAL includes a wireless control tablet, UNI®, a scenario library, and accessories for one great price. The commitment to providing innovative technology and value is still our principle today as it was over 50 years ago.

PROVEN RELIABLE

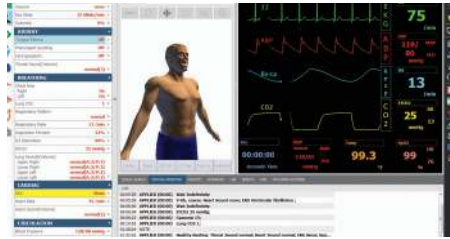
Since 2004 our industry-leading HAL series design and wireless technology has been proven effective and reliable by our users. The HAL S3101 is the evolution of the HAL S3000 design awarded a certificate of airworthiness by the US Army.

HAL® S3101 | UNI® Unified Simulator Control Software

UNI® offers you intuitive patient controls, real-time monitoring, and automatic event tracking, making simulation simple and effective. UNI controls our growing line of 15+ advanced patient simulators. Now you can easily operate any Gaumard products without retraining, saving you time and money.



Wireless tablet PC and UNI® simulator control software is included. Control HAL from up to 300 meters away



Touchscreen lets you easily update vitals, track interactions, and monitor changes using your finger or pen



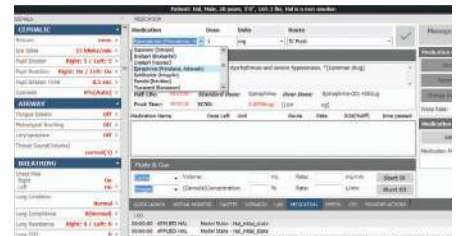
Run scenarios on-the-fly or let the powerful automatic control manage the patient's condition



eCPR™ - Monitor CPR quality metrics in real-time including rate and compression depth, no-flow time, and excessive ventilation



Intuitive scenario library helps you quickly find and launch the right scenario. Use our scenarios or modify them to create your own.



In the automatic operating mode, vital signs respond to medication rate, volume, route, standard and over dosages, and drug interactions

PRECONFIGURED AND READY

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

POWERFUL EASY-TO-USE CONTROLS

Control HAL using preprogrammed scenarios, on-the-fly controls, or the physiologic model. Scenario. Select from the library of pre-programmed scenarios included or modify them to create your own.

AUTOMATIC PHYSIOLOGIC CONTROL

The integrated automatic operating mode simulates lifelike responses to the care provided, medications, trauma, and much more.

52 DRUG LIBRARY & PHARMACOLOGY EDITOR

Train the management of 52 commonly used medications. Easily modify the effect of each medication or add new using the built-in pharmacology editor.

eCPR™ MONITORING

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

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.

NO ANNUAL OPERATING LICENSE OR SOFTWARE UPDATE FEE

Keep your program's operating costs down year after year.

HAL® S3101 | A Proven Tetherless Patient Simulator

NEUROLOGIC

- Active Eyes; programmable blink rate, pupil size, and pupil reaction
- Severe or mild seizures
- Preprogrammed speech responses
- Wireless streaming voice ; be the voice of HAL and listen to replies

AIRWAY

- Oral or nasal intubation: ETT, LMA, King LT
- Laryngospasm, pharyngeal swelling, tongue edema
- Intubation depth detection
- Surgical airway: tracheostomy or needle cricothyrotomy
- Mainstem intubation
- Multiple upper airway sounds

BREATHING

- Spontaneous breathing and programmable patterns
- Ventilation is measured and logged
- Gastric distension with excess BVM ventilation
- Select independent left, right, upper, and lower lung sounds
- Chest rise during assisted ventilation
- 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
- 4-Lead ECG monitoring using real devices; 12-lead ECG capable
- eCPR sensors; Chest compressions are measured and logged
- Monitor oxygen saturation using your real native oximeter
- Measurable blood pressure with audible Korotkoff sounds
- Visible cyanosis
- Bilateral carotid, radial, brachial, femoral, popliteal, and pedal pulses
- Bilateral IV sites
- Optional virtual drug recognition
- Intraosseous access at tibia

OTHER

- Bowel sounds 4 quadrants
- Male/Female catheterization

HAL® S3101

S3101 **\$32,995**

Patented; other patents pending

- Tetherless Adult Patient Simulator
- Wireless tablet PC; UNI license
- Automatic Physiologic Control license
- Preprogrammed scenarios library
- Battery charger, BP cuff, surgical trachea kit, pneumo. decompression sites, user guide
- One-Year Limited Warranty
- Extended warranty plans available
- Skintones available at no extra charge

OPTIONAL ADD-ONS

REAL CO2 EXHALATION

S3101.078 **\$1,195**

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

12-LEAD ECG WITH MI MODEL

S3101.120 **\$4,595**

- Train ECG interpretation and MI management using your real native 12-lead equipment. Select rhythms from the built-in library, design your own using the point-by-point PQRST wave editor.
- Train to improve MI diagnosis, management, and prognosis. Simply point-and-click on the 3D heart to generate an MI visible on a real 12-lead ECG reading.

DRUG RECOGNITION ARM

S3101.400R **\$4,995**

- Virtual drug recognition sensors integrated into the arm vasculature detect the medication type, concentration, and dose administered.
- 20 Virtual drug syringes included

20" TOUCHSCREEN PATIENT MONITOR

S3101.001.R2 **\$2,095**

- Interactive virtual patient monitor displays vital signs in real-time
- Display up to 18 numeric values
- Display up to 20 dynamic waveforms
- Customizable layout mimics real patient monitors
- Customizable threshold alarms
- Display simulated ultrasounds, CT scans, lab results, x-rays

12" PORTABLE VIRTUAL PATIENT MONITOR

S3101.002 **\$3,145**

- Mobile patient monitor displays vital signs in real-time
- Display up to 18 numeric values
- Display up to 20 dynamic waveforms
- Customizable layout mimics real patient monitors
- Customizable threshold alarms
- Display simulated ultrasounds, CT scans, lab results, x-rays

TRAUMATIC LEG/ARM AMPUTATION

S3101.004 **\$795**

S3101.005 **\$795**

CASUALTY, EMERGENCY, TRAUMA, BURN WOUND KITS

WK120 **\$595**

WK100 **\$495**

WK110 **\$450**

WK105 **\$395**

DEFIB-PACING SNAPS

S3101.125 **\$415**

PHILIPS SNAP CABLES

S3101.126 **\$150**

PHYSIO LIFEPAK® SNAP CABLES

S3101.127 **\$150**

ZOLL® SNAP CABLES

S3101.128 **\$150**

REQUEST A QUOTE

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