HAL® S3101
Advanced Multipurpose Patient Simulator

• UNI® Automatic Mode
• 50+ drug library and pharmacology editor
• eCPR™ - CPR effectiveness monitoring
• Supports real ECG monitors, AED, oximeters, capnometers, and blood pressure cuffs
• Wireless and tetherless mobility
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.

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.¹²

Monitor using real devices
Monitor and provide care using real 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 80+ pre-recorded phrases.

Nursing care training
Train pupil examination, urinary catheterization, IV administration, tracheostomy care, and more.

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

Turnkey 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 70 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’s design is an upgrade to the HAL® S3000’s Certificate of Airworthiness winning design issued by the U.S. Army.
HAL® S3101 | A Proven Tetherless Simulator

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.

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.

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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 overdose, and drug interactions.

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’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:

- 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
General
- Wireless and tetherless; fully responsive even while being transported¹
- Internal rechargeable battery provides up to 6 hrs. of tetherless operation²

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™, i-gel®
- 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

Circulation
- Normal and abnormal heart sounds, rates, and intensities
- 4-Lead ECG monitoring using real devices; 12-lead ECG capable³
- eCPR sensors; chest compressions are measured and logged
- Monitor oxygen saturation using a real 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 recognition³
- Intraosseous access at tibia

Other
- Bowel sounds in four quadrants
- Male urinary catheterization with fluid return

HAL® S3101
S3101.PK

CO₂ Exhalation
S3101.078
Real CO₂ exhalation. 10 programmable levels of CO₂ output. Option only available at time of initial purchase.

12-Lead ECG
S3101.120
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.³

Automatic Virtual Drug Recognition Arm
S3101.400R
Virtual drug recognition arm system.

GAUMARD Vitals™ Bedside Virtual Monitor
S3101.001.R2
GAUMARD Vitals™ bedside virtual monitor. One GAUMARD Vitals patient simulator license.

GAUMARD Vitals™ Portable Virtual Monitor
S3101.002
GAUMARD Vitals™ portable virtual monitor. One GAUMARD Vitals patient simulator license.

Trauma limbs
Amputated leg - S3101.004
Amputated arm - S3101.005

Wound kits
Emergency - WK100
Burn - WK105
Trauma - WK110
Casualty - WK120

Defib-pacing snaps
S3101.125

Modified defib cables
Philips® - 30080373B
Physio LIFEPAK® - 30080375B
Zoll® - 30080374B

CARE IN MOTION™ MOBILE Video Debriefing System
CIM.PK
Care In Motion Tablet PC, 3 battery-powered HD wireless cameras, 3 adjustable camera grips, transport case, and One-Year Limited Warranty. Extended service plans available.

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sales@gaumard.com
Toll-Free USA & Canada 1.800.882.6655
Worldwide 305.971.3790

¹ Maximum wireless range will vary depending on environmental factors and conditions. ² Battery life estimates dependent on active features and settings; results may vary. ³ Option available only at the time of order. Price without options, discounts, or special offers. Taxes and other fees not included. Extended service plans, product installation, and training services are available. Product design and price subject to change without notice. All trademarks and/or copyright materials are the property of their respective owners. © 2020 Gaumard Scientific. Patented; other patents pending. All Rights Reserved. MADE IN USA. 11190028C