



Gaumard®
Simulators for Health Care Education



HAL® S315 SKILLS TRAINERS

Adult Airway, CPR, & Auscultation Skills Trainers

- Lifelike airway anatomy
- Rugged exterior and resilient chest recoil
- Advanced eCPR™ feedback and reporting
- Automatic pulses and breathing with spontaneous chest rise (ROSC)
- Defib using real AED

Meet HAL® S315.600. Easy-to-use, durable, and portable hands-on BLS training.

Whether for outreach or professional development, the new HAL S315.600 is a great addition to every BLS algorithm training curriculum. Practice assessing breathing, performing quality CPR, delivering a shock, and recognizing the return of spontaneous circulation. The HAL is the portable, all-in-one training solution for every basic life support training need.



Simulate shockable and non-shockable ECG with 20+ rhythms



Perform nasal and oral intubation with standard, real adjuncts



Visualize realistic chest rise with BVM ventilation



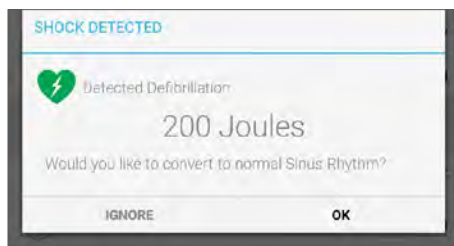
Identify proper chest rise and pulses without add-on items



Monitor and cardiovert rhythms using a real AED/defibrillator



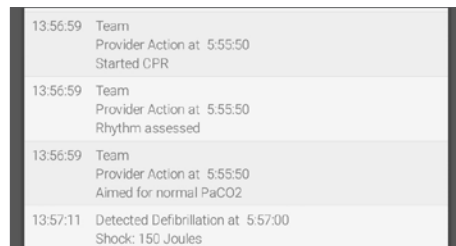
Defibrillate directly on patches or pad-free posts numerous times



Receive immediate feedback on your actions and select the responses



Check for return of spontaneous circulation



Automatically detect and record events for easy debriefing

Features

Airway and breathing

- Spontaneous breathing (Automatic)
- Realistic tongue, vocal cords, and trachea
- Practice nasal and oral intubation
- Supports ETT, supraglottic airway device, i-gel®, King LT™, and more
- Illustrate head tilt/chin lift and jaw thrust
- Gastric distension with esophageal intubation and/or excessive ventilation
- Right mainstem intubation presents unilateral chest rise
- Visible chest rise with bag-valve-mask ventilation
- Ventilation detection sensors

Circulation

- Anatomically correct landmarks for proper CPR hand placement
- Realistic chest cavity resistance and recoil
- Chest compression depth sensor
- Real-time CPR feedback
- Effective chest compressions generate palpable carotid pulses
- Monitor and cardiovert rhythms using a real AED/defibrillator
- Illustrate 20+ shockable and non-shockable ECG rhythms
- Deliver up to 360 Joules of real energy to skin patches or snap connectors
- Palpable carotid pulses with variable rate synchronized with ECG
- Available with 4-lead ECG site option to support real-time ECG monitoring using real equipment. Available at time of initial purchase only². (S315.600.250.PK1)

Performance monitoring

- Real-time CPR quality feedback
 - » Compression depth and rate
 - » Ventilation rate
 - » Excessive ventilation
 - » No-flow time
 - » CPR cycles
- CPR metronome: audible tones help guide correct compression and ventilation rate and ratio
- Compliant with current adult resuscitation guidelines, and customizable for future changes
- Built-in resuscitation algorithm checklists for tracking individual and team actions

OMNI®2 features

- Built-in wireless connectivity with a range up to 30 ft.¹
- OMNI2 wireless touchscreen tablet
- Optimized vital sign controls for on-the-fly operation
- Built-in library with 20+ cardiac rhythms and options
- Compatibility with optional virtual vital signs to display 10+ parameters for delivering post-cardiac arrest care
- Alternate virtual shock function capability
- Session log records provider actions, vital signs, CPR metrics, and comments

Debriefing tools

- eCPR™ performance report provides averages for each CPR metric and cycle
- Save, email, and print CPR performance reports for debriefing and archiving

HAL® S315.600 CPR+D Skills Trainer with OMNI®2

S315.600.250.PK

HAL S315.600 Skills Trainer, OMNI2 Controller, carrying case, user manual, and power supply.



HAL® S315.600 CPR+D and ECG Skills Trainer with OMNI®2

S315.600.250.PK1

HAL S315.600 Skills Trainer with 4-lead ECG sites, OMNI2 Controller, carrying case, user manual, and power supply.



HAL® S315.600 CPR+D Skills Trainer with OMNI®2 full-body option

S315.600.250.705

Enhance skills training and run scenario-based exercises with the full-body configuration.

Gaumard Vitals™ Portable Virtual Monitor

30081003A

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.



Modified defib cables

Philips® - 30080373B

Physio LIFEPAK® - 30080375B

Zoll® - 30080374B



Great features. Zero power required.

Gaumard's innovative green technology allows HAL® to store the energy generated by chest compressions to power its amazing features.

Without the use of batteries or power cords, HAL is capable of recording CPR quality and performance metrics, presenting realistic chest rise and palpable pulses after resuscitation, and more.

Take your training to more places and reach more people with the convenience of truly tetherless technology.



Electronics powered by chest compressions. No external power required.



Intubatable airway with lifelike tongue, epiglottis, vocal cords, and trachea



Visualize realistic chest rise with BVM ventilation



Real-time ventilation and compression feedback with coaching tones



Selectable sinus, ventricular fibrillation, and asystole rhythms are detectable on real, native monitors



Attach your AED pads directly and defib using real energy



ROSC after defibrillation; automatic pulses and visible chest rise



Defibrillate directly on patches or pad-free posts numerous times



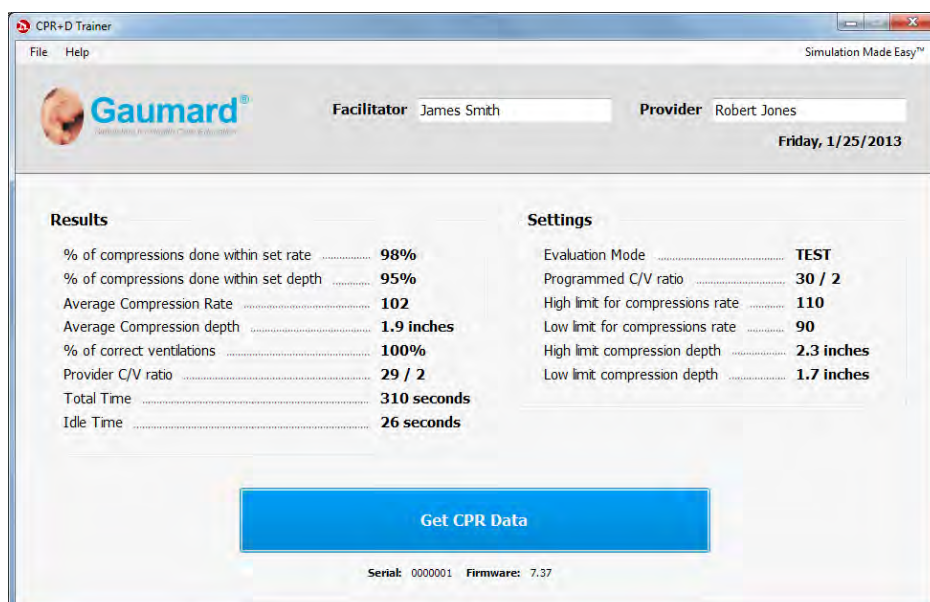
Advanced feedback and reporting during and after the training



Easily refill the automatic breathing system for the next session

Advanced feedback, reporting, and control.

The CPR+D controller captures detailed performance values for each CPR metric. Connect the controller to a PC to review and export the results.



Features

- Intubatable airway with lifelike tongue, epiglottis, vocal chords, and trachea
- Realistic head tilt/chin lift and jaw thrust
- Realistic chest cavity allows students to experience the correct force needed to perform proper chest compressions
- Anatomically correct landmarks for proper hand placement
- Proper chest compressions result in palpable carotid pulses
- Attach real pads from defibrillator to the conductive sites on the skin.
- Deliver real shocks with live energy and visualize the shock and rhythm on your real monitor
- Automatic pulses and breathing with realistic chest rise
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response

During training

For student:

- Coach mode: audible cues guide chest compressions and ventilations
- Test mode: no guidance provided during test

For instructor:

- Handheld controller provides compression depth and ventilation effectiveness in easy-to-interpret bar graph format

- Screen prompts instructor when student must compress faster or slower, softer or harder
- Instructor can view real-time compression rate
- Screen reports defibrillation energy

After training

- Instructor views student's performance including:
 - » Average compression rate per minute
 - » Percent of compressions in proper rate range
 - » Average compression depth
 - » Percent compressions in proper depth range
 - » Percent of ventilations in proper ventilation volume range
 - » Actual compression/ventilation (C/V) ratio
 - » Exercise duration
 - » Chest compression fraction
 - » Reporting metrics stored in the controller's flash memory can be transferred to a computer using the controller's USB port

Control

- Adjust/change feedback and reporting metrics:
 - » Proper C/V ratio
 - » High and low compression rate limits
 - » High and low compression depth limits (in or cm)

- » Proper ventilation volume
- » Manual cardioversion upon defibrillation
- » Program ECG rhythms; choose sinus, ventricular fibrillation, or asystole. Selected ECG rhythm will be seen on your real AED
- » Activate automatic carotid pulse and/or breathing

HAL® S315.500

S315.500.M2.PK

Full-size adult male head and torso, hand-held controller with connection cable, carrying bag, and User Guide.

Modified defib cables

Philips® - 30080373B

Physio LIFEPAK® - 30080375B

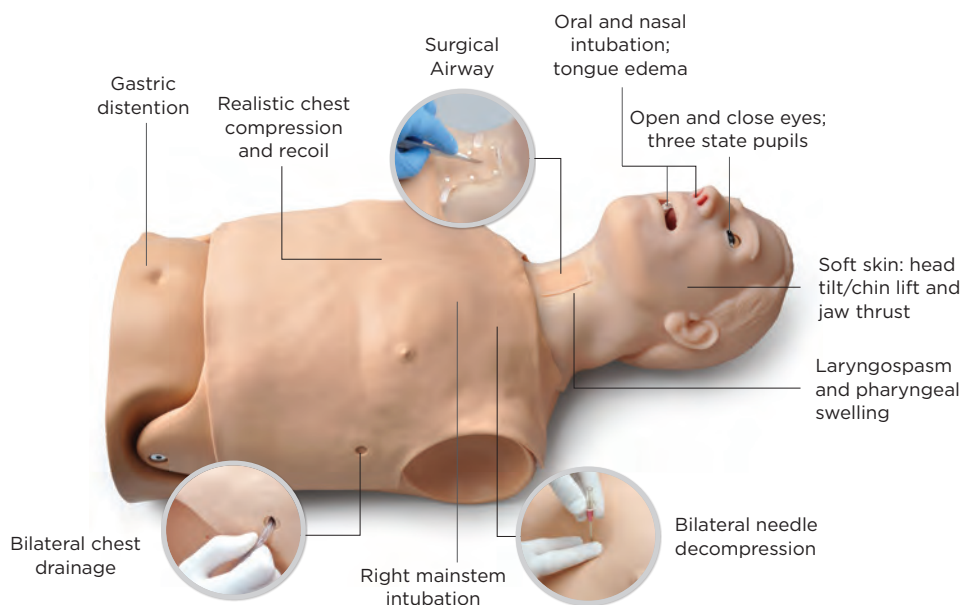
Zoll® - 30080374B

HAL® S315.400—advanced airway management training made easy and portable.

The HAL S315.400 advanced airway trainer allows learners to practice recognizing and managing a difficult airway via endotracheal intubation or surgical intervention, perform CPR, and treat tension pneumothorax.

What's more, all of HAL's lifelike features operate without external power or batteries.

Simply pressurize the internal reservoir using a standard BVM, and it's ready for use. HAL's innovative features and green design make it a powerful trainer that's easy-to-use, effective, and portable.



Intubatable airway with lifelike tongue, vocal cords, and trachea



Manually activate tongue edema, laryngospasm, and pharyngeal swelling



Replaceable surgical trachea inserts



Realistic chest rise with BVM



Air reservoir is charged using the supplied manual pump or a BVM



Place cricothyrotomy needle or tracheostomy tube



Realistic chest compression and recoil



Easy neck flexion and extension. Realistic jaw thrust, head tilt/chin lift



Bilateral needle decompression at 2nd intercostal space



Features

- Realistic airway which is manually programmable to include tongue edema, laryngospasm, and pharyngeal swelling
- Ventilate via BVM, OPA, or intubation
- Realistic chest compression/recoil
- BVM produces realistic chest rise
- Intubate using conventional adjuncts
- Inflating lungs produce realistic chest rise
- Gastric distention
- Easy neck flexion and extension
- Unilateral chest rise with right mainstem intubation
- Lungs can be disabled independently
- Surgical airway procedures such as tracheostomy and needle or surgical cricothyrotomy
- Supplied with normal and surgical cricoid cartilage inserts, allowing for longitudinal and transverse incisions
- Bilateral needle decompression at 2nd intercostal space
- Bilateral drainage at 5th intercostal space using conventional large-diameter chest tubes
- Pneumatic controls powered by internal reservoir
- Multifunctional, compact, portable
- Eyes may be open or closed
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response
- Adult male upper body and head
- Silicone face/head skin for realistic jaw thrust, head tilt/chin lift

HAL® S315.400

S315.400.M2.PK

Full-size adult male head and torso, ventilation trachea insert, mini hand pump, surgical trachea kit, replaceable needle pneumo. sites, mineral oil lubricant, talcum powder, instructions manual, and soft carrying bag.

Consumables

Surgical Trachea Inserts

S315.400.M2.984

Set of five inserts.

Trachea Skin Covers

S315.400.M2.923

Set of ten covers.

Cricothyroid Membranes

S315.400.M2.990

Set of ten membranes.

Lubricant

S315.400.M2.974

Four oz. of mineral oil.

Needle Decompression Inserts

S315.400.M2.926

Set of five inserts.

Replacement Chest Skin

S315.400.M2.712

Replacement chest skin.

Surgical Trachea Base

S315.400.M2.999

Replacement trachea base.

HAL® S315 Airway and CPR Trainer



HAL® S315.100 Multi-Purpose Airway and CPR Trainer



HAL® S315.300 Airway, CPR, and Auscultation Trainer



HAL® S315 with OMNI®2

S315.M2.250.PK

HAL® S315 Basic

S315.M2.PK

Upgrade to Full-Body Configuration

S315.M2.705

HAL® S315.100 with OMNI®2

S315.100.250.PK

HAL® S315.100 Basic

S315.100.M2.PK

Upgrade to Full-Body Configuration

S315.100.M2.705

HAL® S315.300 with OMNI®2

S315.300.M2.250.PK

HAL® S315.300 Basic

S315.300.M2.PK

Upgrade to Full-Body Configuration

S315.300.M2.705

HAL® S315 Series Feature Highlights



Fully articulating neck joint



Anatomically accurate airway



Laryngospasm and pulses



Surgical airway



Durable chest cavity



OMNI® Real-time CPR feedback



Bilateral lung expansion



Chest tube placement



Needle decompression

Features	S315 Airway & CPR	S315.100 Airway & CPR	S315.300 Airway, CPR, & Auscultation	S315.400 Airway & CPR	S315.500 Airway & CPR+D	S315.600 Airway & CPR+D
Normal, miosis (constricted), and mydriasis (blown) pupil states	●	●	●	●	●	●
Independent left/right pupil states simulate consensual and nonconsensual response	●	●	●	●	●	●
Realistic head tilt/chin lift and jaw thrust	●	●	●	●	●	●
Durable high-fidelity airway anatomy	●	●	●	●	●	●
Nasal and oral intubation	●	●	●	●	●	●
Tongue edema	-	-	-	●	-	-
Laryngospasm	-	●	-	●	-	-
Pharyngeal swelling	-	-	-	●	-	-
Tracheostomy and cricothyrotomy	-	●	-	●	-	-
Chest rise with bag-valve-mask ventilation	●	●	●	●	●	●
Gastric distension with esophageal intubation	●	●	●	●	-	-
Right mainstem intubation presents unilateral chest rise	●	●	●	●	●	●
Bilateral chest tube sites at 5 th intercostal	-	-	-	●	-	-
Bilateral needle decompression sites at 2 nd intercostal space with audible hiss	-	-	-	●	-	-
Disable chest rise unilaterally	-	-	-	●	-	-
VS100 Virtual Stethoscope - Programmable normal and abnormal heart and lung sounds	-	-	●	-	-	-
CPR hand positioning landmarks and realistic chest compression recoil and depth	●	●	●	●	●	●
Real-time CPR monitoring and performance reports	○	○	○	-	●	●
Chest compressions generate palpable carotid pulses	Manual	Manual	Manual	-	Automatic	Automatic
Detectable ECG rhythm using real AED (Sinus, ventricular fibrillation, and asystole)	-	-	-	-	●	●
Spontaneous breathing and palpable carotid pulses for up to 60 seconds (ROSC)	-	-	-	-	up to 60 sec.	Continuous
Defibrillate and cardiovert using real energy	-	-	-	-	●	●
Carrying bag	●	●	●	●	●	●
Full-body form factor	○	○	○	-	-	○
Support for ECG monitoring	-	-	-	-	-	○

● Standard ○ Optional Add-On/Accessory

● ● ● Skin tone options available at no extra charge

Request a quote

Sales / customer service

sales@gaumard.com

Website

www.gaumard.com

Toll-Free USA & Canada

Call 8:00 a.m. - 6:00 p.m. ET

Monday - Friday

800.882.6655

Worldwide

305.971.3790

About Gaumard

Gaumard is family owned and operated, and is the direct source for your health care education needs.

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Warranty

Gaumard products are covered by a one-year limited warranty. Terms and conditions apply. Please visit www.gaumard.com for details.

Technical support

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