



SEM TRAINERS & SYSTEMS

WHERE TIME MOVES AHEAD TO KEEP PACE WITH KNOWLEDGE

SEM- Scientific Educative Methods in Science, Engineering & Medicine

Mobile : +91 88495 63724
Mobile 1: +91 98791 03905

Email: sem@semtrainers.com
Website: www.semtrainers.com



HAL® CPR+D Trainer with Advanced Feedback

Item No. 1018867
Weight 19kg
MPN: S315.500.M

[Read More](#)

SKU:

Categories:BLS Adult



Product Description

Stores the energy generated by chest compressions for power. Without the use of batteries or power cords, the trainer 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. Features:

- Intubatable airway with tongue, vocal cords, 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
- Attach real AED pads directly to the conductive skin. Shock the conductive skin. Shock the simulator using your defibrillator just like a real patient. Your AED will display the simulator's ECG. will display the simulator's ECG.
- Automatic pulses and breathing with realistic chest rise. Alternative Energy
- Electronics powered through chest compressions; 30 compressions get the system up and running. Simulator remains charged during training and recharges itself while the student practices CPR.
- No batteries to replace. Energy storage device capable of 500,000 cycles.

During Training for student:

- Coach mode: audible tones guide chest compressions Test mode: no guidance provided during test

For instructor

- Screen on handheld controller provides compression depth and ventilation volume 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 compressions in proper rate range
- Average compression depth
- Percent compressions in proper depth range
- Percent ventilations in proper ventilation volume range
- Actual compression/ventilation (C/V) ratio
- Exercise duration
- Idle time
- Reporting metrics stored in the controller's flash memory and 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 inches or centimeters)
- 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 Items included
- Full-size adult male head and upper body
- Handheld controller with 15 ft cable
- Carrying bag
- Operating guide

	HAL® Adult Airway and CPR Trainer	HAL® Adult Multipurpose Airway and CPR Trainer	HAL® Airway, CPR, and Auscultation Skills Trainer	HAL® Adult Multipurpose Airway and CPR Trainer	HAL® CPR+D Trainer with advanced feedback
Item No.	1019855	1019856	1022061	1022062	1018867
Manually open or close eyes	Yes	Yes	Yes	Yes	Yes
Realistic head tilt/chin lift and jaw thrust	Yes	Yes	Yes	Yes	Yes
CPR hand positioning landmarks	Yes	Yes	Yes	Yes	Yes
Chest compressions generate palpable carotid pulses	manual	manual	manual	-	manual
Spontaneous breathing	-	-	-	-	Yes
Chest rise	Yes	Yes	Yes	Yes	Yes
Stomach rise	Yes	Yes	Yes	Yes	-
Nasal and oral intubation - ETT, LMA, King LT®	Yes	Yes	Yes	Yes	Yes
Right mainstem intubation presents unilateral chest rise	Yes	Yes	Yes	Yes	Yes
Tongue edema	-	-	-	Yes	-
Laryngospasm	-	Yes	-	Yes	-
Pharyngeal	-	-	-	Yes	-
Tracheostomy and cricothyrotomy	-	Yes	-	Yes	-

Bilateral chest tube sites at fifth intercostal space	-	-	-	Yes	-
Bilateral needle decompression site at second intercostal space with audible hiss	-	-	-	Yes	-
Programmable heart and lung sounds	-	-	Yes	-	-
Detectable EKG rhythm using real AED	-	-	-	-	Yes
Defibrillate and cardiovert using real energy	-	-	-	-	Yes
Carrying bag	included	included	included	included	included

The HAL® CPR+D Trainer with Advanced Feedback (Item No. 1018867 | MPN: S315.500.M) by Gaumard Scientific is the most advanced and feature-rich model in the HAL® series, weighing 19 kg. What makes this trainer truly revolutionary is its alternative energy system — the electronics are powered entirely through chest compressions, with just 30 compressions getting the system fully operational. No batteries, no power cords, and no charging required. The energy storage device is rated for 500,000 cycles, making it a virtually maintenance-free and truly tetherless training solution.

This trainer supports real AED pad attachment directly to its conductive skin, allowing trainees to use a real defibrillator to shock the simulator just like a real patient — with the AED displaying the simulator's ECG. Instructors can program ECG rhythms (sinus, ventricular fibrillation, or asystole) that are then detected by a real AED. The system also features spontaneous breathing with realistic chest rise, automatic carotid pulses after resuscitation, a handheld controller with a 15-foot cable displaying real-time compression depth and ventilation volume in bar graph format, and detailed post-training performance reporting transferred via USB. During training, Coach Mode provides audible tones to guide compressions while Test Mode removes guidance for assessment. The package includes a full-size adult male head and upper torso, handheld controller with 15 ft cable, carrying bag, and operating guide.

Q1. What is the HAL® CPR+D Trainer with Advanced Feedback used for? It is used for advanced CPR and defibrillation training, allowing trainees to practice chest compressions, airway management, intubation, and real AED/defibrillation on a fully realistic, battery-free manikin with comprehensive performance feedback.

Q2. How does the alternative energy system work? The trainer's electronics are powered entirely by the energy generated from chest compressions — just 30 compressions get the system fully operational. It requires no batteries or power cords and remains charged during training while recharging itself as the student practices CPR. The energy storage device is rated for 500,000 cycles.

Q3. Can a real AED be used on this manikin? Yes. Real AED pads can be attached directly to the manikin's conductive skin. The trainee can shock the simulator using a real defibrillator, and the AED will display the simulator's ECG — making this one of the most realistic defibrillation training experiences available.

Q4. What ECG rhythms can be programmed? Instructors can program sinus rhythm, ventricular fibrillation, or asystole. The selected ECG rhythm will be detected and displayed on a connected real AED during training.

Q5. What is the difference between Coach Mode and Test Mode? In Coach Mode, audible tones guide the student's chest compressions in real time. In Test Mode, no guidance is provided during the session, enabling assessment of the trainee's independent CPR performance.

Q6. What performance metrics does the handheld controller provide? The handheld controller displays real-time compression depth and ventilation volume in a bar graph format, and prompts the instructor when the student should compress faster, slower, softer, or harder. Post-training reports include average compression rate and depth, percent compressions in proper range, ventilation volume compliance, actual C/V ratio, exercise duration, idle time, and defibrillation energy delivered.

Q7. What airway management procedures are supported? The trainer features a fully intubatable airway with tongue, vocal cords, and trachea, supporting ETT, LMA, and King LT® intubation, head tilt/chin lift, jaw thrust, and right mainstem intubation presenting unilateral chest rise.

Q8. How does this differ from other HAL® models? The HAL® CPR+D Trainer (1018867) is the only model in the HAL® series that features compression-powered electronics, spontaneous breathing, real AED compatibility, programmable ECG rhythms, live defibrillation and cardioversion, and comprehensive pre/post-training performance reporting — making it the top-tier choice in the series.

Q9. What is included in the package? The package includes a full-size adult male head and upper torso, a handheld controller with a 15 ft cable, a carrying bag, and an operating guide.

Q10. Where can I purchase this in India? You can enquire and order through SEM Trainers at **+91-88495 63724** or **+91-98791 03905**, or visit semtrainers.com.