



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



# TRAUMA HAL<sup>®</sup> S3040.50

Point of Injury, Transport,  
and Emergency

- Wireless and tetherless full-body trauma patient simulator
- Programmable difficult airway and surgical airway site
- Programmable spontaneous chest rise
- Trauma limbs with programmable bleeding and pressure sensors
- Rugged joints for dragging and carrying
- eCPR™ real-time CPR quality feedback

## Features

### General

- Full-body adult, 70 inches (178cm), 46 lbs. (20.9 kg)
- Rugged shoulder and hip joints allow dragging and carrying
- Splash-proof for CBRNE water spray decontamination
- Self-contained design; all operating components and blood reservoirs stored inside the body
- Wireless and tetherless control<sup>1</sup>
- Fully operational on battery power for up to 8 hrs<sup>2</sup> (AC power supported)
- Interchangeable trauma/healthy lower left arm and leg
- Designed for fast scenario reset; automatic self-refilling 1.5-liter reservoir system
- Rugged for outdoor use

### Neurologic

- Library of prerecorded speech responses
- Streaming voice<sup>3</sup> (option S3040.50.300)

### Airway

- Realistic airway with teeth, tongue, epiglottis, and vocal cords
- Programmable difficult airway: laryngospasms
- Articulated neck and jaw for head tilt/chin lift
- Naso/orotracheal intubation: ETT, Supraglottic Airway, King LT™
- Surgical airway for cricothyrotomy, tracheotomy, and tracheal hook exercises
- Supports suctioning liquids from the airway and lungs
- Visible gastric distention with excess BVM

### Breathing

- Bilateral chest rise with BVM ventilations
- Ventilation detection
- Needle decompression with audible hiss
- Programmable breath/throat sounds
- Spontaneous chest rise and fall with normal and abnormal respiratory patterns
- Programmable unilateral chest rise
- Unilateral chest rise with right mainstem intubation
- Upper/lower anterior lung sounds

### Cardiac

- Selectable normal and abnormal heart sounds synchronized with ECG and pulses
- Preprogrammed ECG rhythm library with customizable variations
- 4-Lead ECG monitoring using real equipment (12-Lead available option S3040.50.120)<sup>3</sup>
- Defibrillate and pace using real energy
- Effective compressions generate palpable pulses

### CPR

- eCPR™ Real-time CPR performance monitoring
  - » Time to CPR
  - » Compression depth/rate
  - » Chest recoil
  - » Compression interruptions
  - » Ventilation rate
  - » Excessive ventilation
  - » Time to defibrillation
- CPR assisting tones
- Real end-tidal CO<sub>2</sub> capability<sup>3</sup> (option S3040.50.078)
- Durable chest recoil design

### Circulation

- Measure blood pressure with real sphygmomanometer
- Realistic Korotkoff sounds
- Bilateral blood pressure-dependent pulses
- Carotid, radial, femoral, and pedal
- Femoral artery pressure sensor
- Bilateral intravenous training arms
- Bilateral deltoid and quadriceps IM injection sites
- Intraosseous access at right tibia

### Trauma

- Trauma limbs: Interchangeable trauma lower left arm and leg included
- Bleeding groin wound detects applied pressure
- Trauma site arterial bleeding synced with heart rate and blood pressure
- Blood pressure-dependent bleeding rate
- Arm and leg tourniquet detection
- Pressure on femoral artery reduces or stops distal bleeding in leg
- Internal 1.5 liter blood reservoir
- Automatic, self-refilling reservoir system
- Responsive blood loss monitor and reservoir level

### Other

- Supports esophageal intubation and gastric suctioning
- Visible gastric distension with esophageal intubation

### UNI® unified simulator control software

- Unified interface design
- Virtual patient monitor
- Scenario designer
- Preprogrammed scenario library
- eCPR™ - CPR effectiveness monitor and trainer
- Lab report designer
- Time-stamped event logging

## Trauma HAL® S3040.50

S3040.50.PK 

Trauma HAL S3040.50, wireless tablet PC, "bump" case, UNI® software license, battery charger, trauma/healthy lower left arms and legs, groin wound insert, soft carrying case, hands-free blood refill bag, user manual, One-Year Limited Warranty, extended warranty plans available. Patented; other patents pending.

### Real CO<sub>2</sub> Exhalation

#### S3040.50.078

Adds real EtCO<sub>2</sub> capability. Features 10 programmable levels of CO<sub>2</sub> output.<sup>3</sup>

### Streaming voice

#### S3040.50.300

Live voice streaming.<sup>3</sup>

### 12-Lead ECG

#### S3040.50.120

Adds support for 12-lead monitoring using real equipment. Includes UNI Myocardial Infraction and wave editor software upgrades.<sup>3</sup>

### Care In Motion™ Mobile Video-Assisted Debriefing System

#### CIM.PK

Care In Motion Tablet PC, 3 battery-powered HD wireless cameras, 3 adjustable camera grips, transport case, One-Year Limited Warranty, extended service plans available.

### Gaumard Vitals™ Mobile Patient Monitor

#### 30081003A

Tablet PC-based virtual patient monitor. Features 20+ dynamic scalars and waveforms, customizable alarms and layouts, and virtual defibrillator.

### Request a quote

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