

# TRAUMA HAL - ADVANCED TRAUMA CARE SIMULATOR - UNI

PRODUCT NUMBER: 1514



## DESCRIPTION:

The **Trauma HAL®** is a wireless and **tetherless full-body trauma patient simulator** featuring bleeding, pressure-sensitive wounds and trauma limbs, laryngospasms, spontaneous chest rise, bilateral intravenous training arms, and many more capabilities.

The completely tetherless design and ruggedized joints make this simulator perfect for point of injury, care under fire, emergency field care, extraction, patient transport, mass casualty, decontamination, and more.

## CASES AND PATHOLOGIES:

### SIMULATION LEARNING EXPERIENCE:

### MORE THAN SIMULATORS S.L.

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### CONTACTO

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- The new Simulated Learning Experiences (SLE) scenario packages provide you with a library of ready-to-use, evidence-based scenarios, and supports content designed to help you maximize training and learning.

- Pre-programmed scenarios:

- Airway Trauma Secondary to an IED Detonation
- Acute Respiratory Distress Syndrome Secondary to Motor Vehicle Crash
- Blast Injury in a Civilian Setting
- Potential Concussion or Hypovolemia
- Fall-Related Injuries
- Gunshot Wound To The Chest
- Gunshot Wound To The Leg
- Traumatic Limb Amputation Secondary to Motorcycle Crash
- Traumatic Limb Amputation And Possible Traumatic Brain Injury
- Traumatic Multiple Limb Amputations with Possible Traumatic Brain Injury

## CHARACTERISTICS:

### GENERAL:

- Full-body adult, 70 inches (178 cm)
- 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
- Tetherless and wireless; fully responsive during transport
- Fully operational on battery power for up to 8hrs (AC power supported)

### NEUROLOGIC:

- Library of prerecorded speech responses included
- Be the voice of Trauma Hal; streaming audio (optional)

### AIRWAY MANAGEMENT:

- Realistic airway with teeth, tongue, epiglottis, and vocal cords
- Programmable laryngospasms
- Articulated neck and jaw for head tilt/chin lift
- Naso/orotracheal intubation: ETT, supraglottic airway, King LT™
- Supports suctioning liquids from the airway and lungs
- Visible gastric distention with esophageal intubation or excess BVM
- Surgical trachea insert accommodates tracheostomy and needle cricothyrotomy

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#### **CARDIAC:**

- Selectable normal and abnormal heart sounds
- Defibrillate and pace using real energy
- Effective compressions generate palpable pulses
- Preprogrammed ECG rhythm library with customizable variations
- 4-Lead ECG monitoring using real equipment (12-lead option available: item S3040.50.120)
- eCPR™ Real-time CPR performance monitoring: Time to CPR, Compression depth/rate, chest recoil, compression interruptions, ventilation rate, excessive ventilation and time to defibrillation
- CPR assisting tones
- Durable chest recoil design

#### **RESPIRATORY:**

- Visible continuous, spontaneous chest rise
- Programmable breath/throat sounds
- Programmable anterior upper and lower lung sounds
- Bilateral chest rise with BVM ventilations
- Ventilation detection
- Unilateral chest rise with right mainstem intubation
- Programmable unilateral chest rise
- Needle decompression sites with audible hiss and needle placement detection
- Bilateral chest drain tube insertion sites

#### **CIRCULATORY:**

- Measurable blood pressure using real sphygmomanometer
- Audible Korotkoff sounds
- Bilateral blood pressure-dependent pulses: carotid, radial, femoral, pedal
- Femoral artery pressure sensor
- Bilateral deltoid and quadriceps intramuscular injection sites
- Bilateral intravenous training arm
- Intraosseous access at right tibia

#### **GASTROINTESTINAL:**

- Supports esophageal intubation and gastric suctioning

#### **TRAUMA:**

- Interchangeable trauma/healthy lower left arm and leg
- Bleeding groin wound detects applied pressure
- Trauma site arterial bleeding synchronized with heart rate and blood pressure

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- Blood pressure-dependent bleeding rate
- Arm and leg tourniquet sensors
- Pressure on femoral artery reduces or stops distal bleeding
- On-board 1.5-liter blood reservoir
- Automatic self-filling reservoir system
- Responsive blood loss monitor and reservoir level

## INCLUDE:

- 1 Trauma HAL advanced simulator
- 1 Wireless tablet PC, protective case and UNI Software license
- 1 Trauma Lower left accessory
- 1 Trauma Lower arm accessory
- 1 Groin wound insert
- 1 Battery Charger
- 1 Power supply
- 1 Hands-free blood refill bag
- 1 Transport case
- Instructions manual

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