

Whole Body HEMO - Pulses/Breathing (WBS-HEMO-PB)

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The Whole-Body Simulator HEMO-PB (WBS HEMO-PB) is a rugged, realistic full-body trainer to treat severe trauma. Purpose-built for field exercises and use in any weather or environment, the WBS HEMO-PB offers realistic leg movement and lifelike arterial bleeding that deliver ultra-high-fidelity training for a truly immersive learning experience. It also incorporates a deep wound at the inguinal crease for hemostatic training. Using the WBS HEMO-PB, learners can use field techniques such as hand, knee, and elbow pressure to occlude bleeding. It offers pulses, breathing, and real-time feedback through our long-range remote control. Users can physically locate both radial and carotid pulses, assess breathing patterns, and use this information to perform appropriate interventions. Other intervention training includes maintaining a patient's airway, needle decompression, identifying tension pneumothorax, bi-lateral chest tube insertion, cricothyroidotomy, and Intraosseous (I/O) infusion.

Key Features

- Active breathing with chest rise and fall
- Radial and carotid pulses
- Airway management
- Moveable jaw
- Intubation
- Oropharyngeal Airway (OPA)
- Nasopharyngeal Airway (NPA)
- Selectable airway obstruction
- Intubation teeth sensor
- Cricothyroidotomy
- Needle decompression (troacentesis)
- Tension pneumothorax
- IV insertion
- Intraosseous (I/O) infusion
- Adjustable eyes (pupils normal, constricted, TBI)
- Two-way audio communication



- Full-motion legs
- Amputation
- Packable wound
- Crush injury
- Tourniquet training
- Simulated wounds (shrapnel, lacerations)
- Crepitus (to cue for crushed pelvis)
- Optional priapism (to cue for spinal injury)
- Scrotal avulsion
- Tetherless (battery operated)
- Remote Controlled
- Real-time digital feedback for trainers

Product Details

- Multiple sensors relay results to the trainer in real-time, taking the guesswork out of the simulation.
- Simulated breathing and coordinated breath sound in 4 quadrants.
- Palpable radial and carotid pulse points
- Simulates tension pneumothorax in either side with appropriate physiologic cues
- Flexible jaw with internal tracheal landmarks for orotracheal intubation
- Bilateral chest tube insertion sites with replaceable, multiple-use skin plugs
- Oral airway cavity (with teeth and tongue) for oropharyngeal intubation
- Trainer-selectable airway obstruction at the nose or throat to cue for surgical cric
- Simulated cricothyroidotomy with larynx, and single and multiple-use replaceable skin plugs
- Realistic manubrium allows intraosseous (I/O) training with fluid infusion
- Needle decompression with air release and sensor feedback (full size 3.25" 14 gauge needle) with replaceable multi-use skin plugs and pleural membranes
- 2-way Communication (TWC) audio system allows the trainer to speak through the simulator
- Full left leg with a hemostatic wound at the inguinal crease that requires packing with gauze and applying appropriate pressure



- Amputation requires proper tourniquet application or manual pressure to occlude bleeding
- Lifelike leg movement, remote-controlled using practical and durable special effects animatronics technology
- Specially formulated synthetic tissue with unparalleled realism and durability providing visual and tactile stimuli
- It can be used with human actors
- Crepitus to cue for crushed pelvis injury
- Scrotal avulsion
- Water-resistant
- Easy to clean and maintain after use
- Optional interchangeable priapism
- Rugged, remote control with real-time data streaming

Remote Controlled with Real-time Sensor Data

Training Flexibility and Wound Variation
