

Whole-Body Simulator HEMO-PB

The Whole-Body Simulator HEMO-PB (WBS HEMO-PB) is a rugged, realistic full body trainer for the treatment of severe trauma. Purpose-built for field exercises and for 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. It offers pulses, breathing, and real-time feedback through our long-range remote control, and users can physically locate both radial and carotid pulses, assess breathing patterns and use this information to perform appropriate interventions.

Rugged, Durable and Reliable

Each TraumaFX product is designed from the ground up for ruggedness and durability with careful consideration of materials and manufacturing processes to create products that last. They are water resistant and can be used in nearly any weather condition or environment, and can be transported in any vehicle or aircraft to ensure the most authentic training experience.

Remote Controlled with Real-time Sensor Data

All TraumaFX high-fidelity simulators are operated by a long-range RC controller which includes real-time data streaming to monitor medical interventions. Easy to use, menu-driven software takes only minutes to learn and sensor data is immediately displayed on the main control screen for quick reference. The display shows key vitals and provides instructors with instant data on the effectiveness of student interventions such as tourniquet application, wound hemostasis, airway intervention, needle decompression, and chest tube placement.



Mix-N-Match

TraumaFX upper and lower trainers can be combined in any configuration to increase training capabilities

DATA SHEET

Key Benefits of Upper Body (APL-PB)

- Multiple sensors provide trainers/learners with instantaneous feedback for After Action Reporting (AAR) via the Ruggedized Remote Control (RC)
- Simulated breathing and coordinated breath sounds in 4 quadrants with palpable radial and carotid pulse points
- Simulated tension pneumothorax on either side with appropriate physiologic cues
- 2-way communication audio system allows trainer to speak and hear through the simulator
- Infusible intraosseous (I/O) trainer at the humerus
- Bilateral chest tube insertion sites with replaceable, multiple use skin plugs
- Flexible jaw with internal tracheal landmarks for orotracheal intubation
- Eyes can be manually rotated to simulate a dilated or pinpoint pupil
- Oral airway cavity (with teeth and tongue) for oropharyngeal intubation
- Nasal passageways for nasopharyngeal intubation
- User selectable airway obstruction at the nose or throat to cue for surgical cric
- Simulated cricothyroidotomy with larynx with replaceable and skin plugs
- Reinforced silicone arms with articulating shoulders and full arm rotation
- Realistic manubrium allows intraosseous (I/O) training with fluid infusion
- Interactive needle decompression training sites (full size 3.25" 14 gauge needle with air release)
- IV training site with flash cue at the arm
- 90-degree waist adapter allows simulator to be placed in sitting position when connected to lower body
- Simulated gunshot entrance and exit wounds - front and back
- Water resistant
- Easy to clean and maintain after use
- Optional amputation or burn arms

Key Benefits of Lower Body (HEMO)

- Full left leg with a hemostatic wound at the inguinal crease that requires packing with gauze and the application of measurable pressure
- Advanced sensor technology provides trainers/learners with instantaneous feedback of applied pressure, time to occlude bleeding, and volume of blood loss for after action reporting (AAR)
- Arterial bleeding from the amputation requiring correct tourniquet placement
- Responds to direct femoral artery pressure for immediate bleeding control
- 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
- Instantaneous feedback provided through proprietary remote control (RC) transmitter with extended operating range
- Removable knee bone on amputation leg is compatible with optional Prosthetic Leg Cover (PLC)
- 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 non-injured left leg, burn leg, and interchangeable priapism

Remote Control with Sensor Feedback

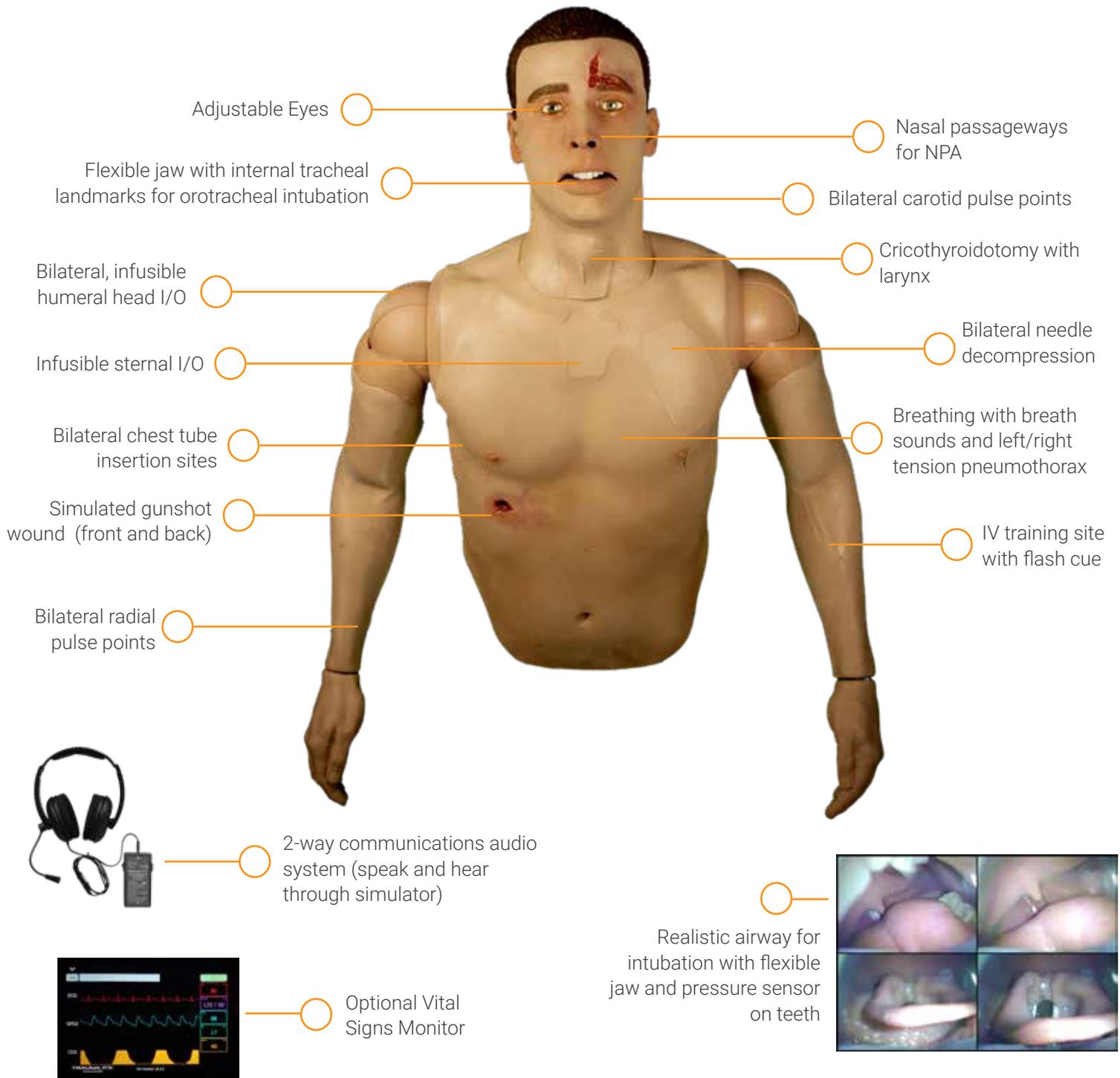
The radio-frequency (RC) remote control offers full system operation from up to 200 yards away and includes real-time data streaming for sensor feedback and vitals data.



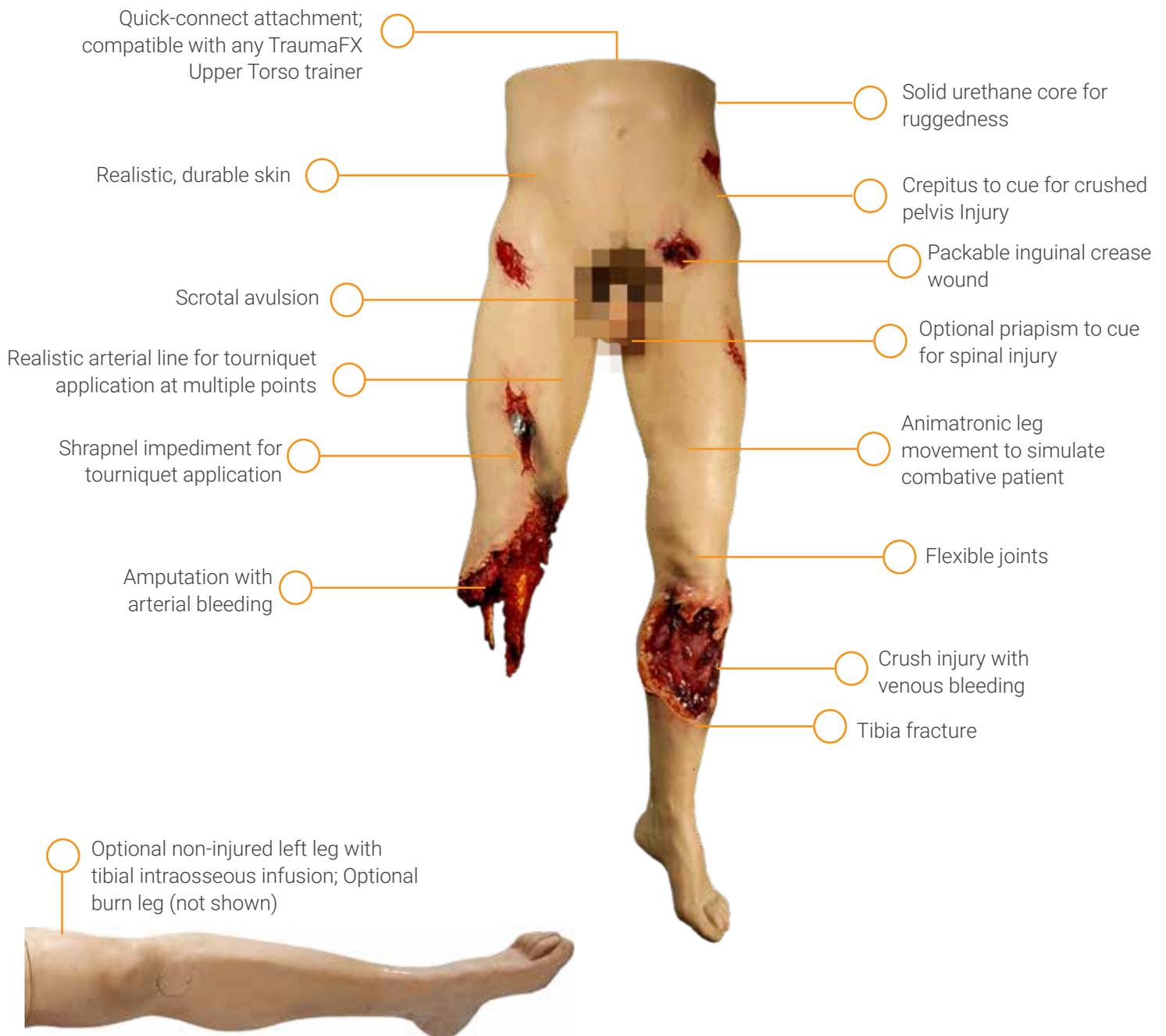
Contract Vehicles:

GSA: GS-07F-063DA
DLA ECAT: SPE2DH-18-D-0008
PEO STRI TATT II: W900KK-19-D-0005
PEO STRI VPSS: W900KK-18-D-0012
NATO Logistics Stock Exchange

Upper Body Feature Guide



Lower Body Feature Guide



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