

# WBS-HEMO-PB

## RUGGED, DURABLE AND RELIABLE

Each TacMed Solutions™ 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 to ensure the most authentic training experience.

## REMOTE CONTROLLED WITH REAL-TIME SENSOR DATA

All TacMed Solutions™ high-fidelity simulators are operated with a long-range touchscreen remote controller which includes real-time telemetry to monitor medical interventions. Easy to use 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.

## REMOTE CONTROL & SENSOR FEATURES

The remote control offers a color touchscreen for ease of operations. It provides full system operation from up to 200 yards away and includes real-time telemetry for sensor feedback and vitals data.



Color touchscreen remote control



2-way communication audio system (speak and hear through simulator)

- Respiratory status (regular, tension pneumothorax, stopped)
- Respiration rate
- Airway status
- Alert, conscious, unconscious, anxious
- Intubation sensor (tracheal, esophageal, RMS, time)
- Inguinal crease wound (bleeding status, pressure applied, and time)
- Amputation bleeding/occluded (proper tourniquet application)
- Blood loss (volume)
- Heart rate
- Blood pressure
- Patient alive/expired

TACMED SOLUTIONS™ MULTIPLE AMPUTATION TRAUMA TRAINER® (MATT™) AWARDS



AMSO Award



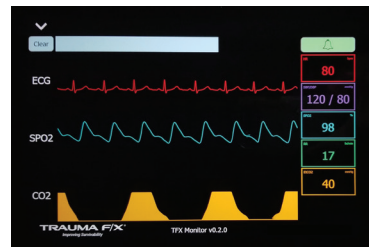
SBIR Award



Governors Award



Modeling & Simulation Training Team Award



Optional Vital Signs Monitor



# WHOLE BODY SIMULATOR HEMOSTATIC-PB

## WBS-HEMO-PB

RUGGED AND REALISTIC FULL BODY TRAINER FOR THE TREATMENT OF SEVERE TRAUMA.

### PRODUCT SPECIFICATIONS

PRODUCT #	CAUCASIAN		AFRICAN AMERICAN		
	TFX-WBS-HPB-1		TFX-AA-HPB-1		
DIMENSIONS	LENGTH	WIDTH	CHEST	NECK	SHOULDERS
	75in 190.5cm	23in 58.4cm	45in 114.3cm	17.5in 44.5cm	51in 129.5cm
WEIGHT	FULL - 169lbs / 76.7kg			EMPTY - 161lbs / 73kg	
POWER SUPPLY	Four (4) 18V Li-ion batteries			BLOOD RESERVOIR -2 liters	

### 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	LB-KGS-01N

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# WBS-HEMO-PB

The TacMed Solutions™ 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.

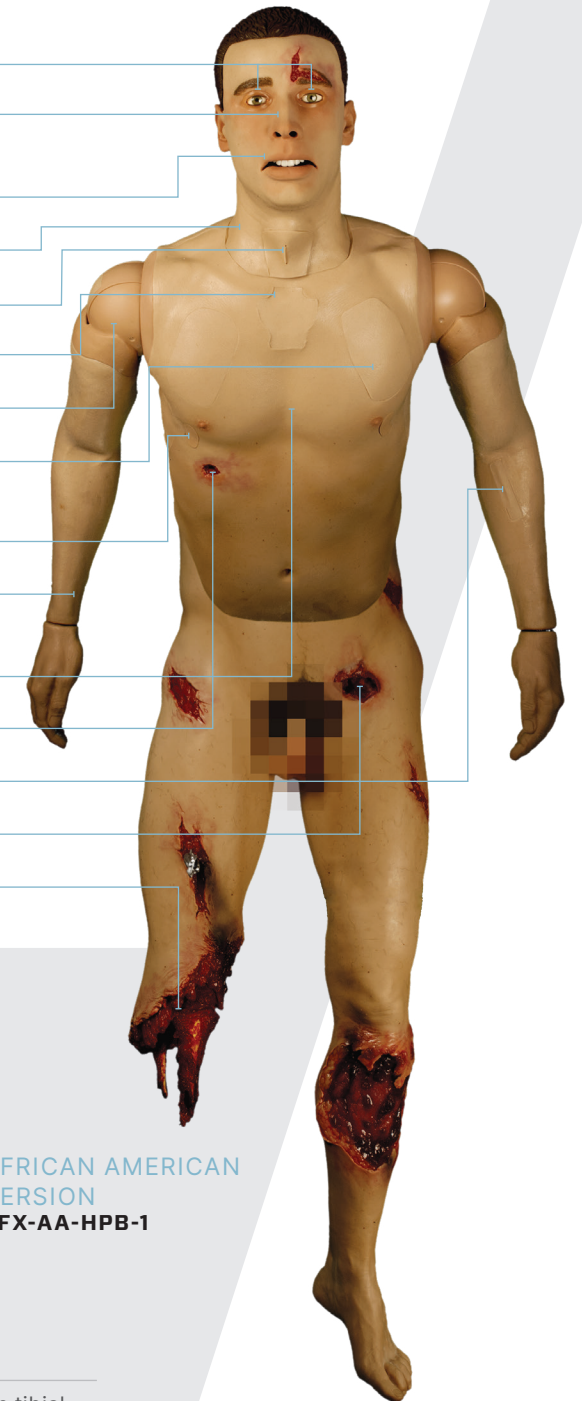


## KEY BENEFITS

- ▶ Multiple sensors provide trainers/learners with instantaneous feedback for After Action Reporting via the Ruggedized Remote Control
- ▶ 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 and replaceable 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)
- ▶ 90-degree waist adapter allows simulator to be placed in a sitting position
- ▶ Simulated gunshot entrance and exit wounds - front and back
- ▶ 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
- ▶ 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
- ▶ 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
- ▶ Optional bleeding amputation arm, optional non-injured left leg, burn leg, and interchangeable priapism
- ▶ Scrotal Avulsion
- ▶ Water resistant
- ▶ Easy to clean and maintain after use

## FEATURES GUIDE

- Adjustable eyes
- Nasal passageways for NPA
- Flexible jaw with internal tracheal landmarks for orotracheal intubation
- Bilateral carotid pulse points
- Cricothyroidotomy with larynx
- Infusible sternal I/O
- Infusible humeral head I/O
- Bilateral needle decompression
- Bilateral chest tube insertion sites with replaceable pleural membrane
- Bilateral radial pulse points
- Breathing with coordinated breath sounds in 4 quadrants and simulated tension pneumothorax
- Simulated gunshot wound
- IV training site with flash cue
- Packable inguinal crease wound
- Amputation with Arterial Bleeding



ADDITIONAL OPTIONS



ECG SIMULATOR



AFRICAN AMERICAN VERSION  
TFX-AA-HPB-1

### OPTIONAL FEATURES

Optional bleeding amputation arm, optional non-injured left leg with tibial intraosseous infusion; optional burn leg.