

# WBS-CRU-R

## 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



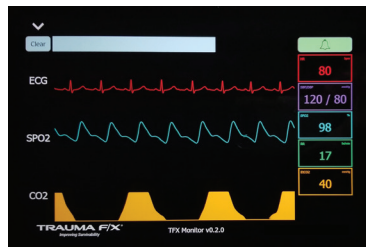
SBIR Award



Governors Award



Modeling & Simulation Training Team Award



Optional Vital Signs Monitor



# WHOLE BODY SIMULATOR CLINICAL RESPONSE - RESUSCITATE

## WBS-CRU-R

HIGH-FIDELITY TRAUMA SIMULATOR FOR CLINICAL, ACLS, AND EMERGENCY CARE TRAINING.

### PRODUCT SPECIFICATIONS

PRODUCT #	CAUCASIAN		AFRICAN AMERICAN		
	TFX-WBS-CR-1		WBS-CR-AA-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-CRU-R

The TacMed Solutions™ Clinical Response-Resuscitate Whole Body Simulator (WBS-CR2) delivers high-fidelity training capabilities for the treatment of traumatic injuries as well as advanced clinical features for cardiac life support and resuscitation. Ideal for Prolonged Care, Emergency Room, and ACLS/ALS training, the CR2 is an extremely effective multipurpose training tool allowing learners to perform a wide range of critical life-saving tasks. As the student administers treatment, trainers receive instant feedback of performance via the easy-to-use remote control. Constructed with a durable urethane core and specially formulated, life-like silicone skin, the CR2 is rugged and durable and is designed to operate in nearly any environment or weather to support real-world training scenarios.

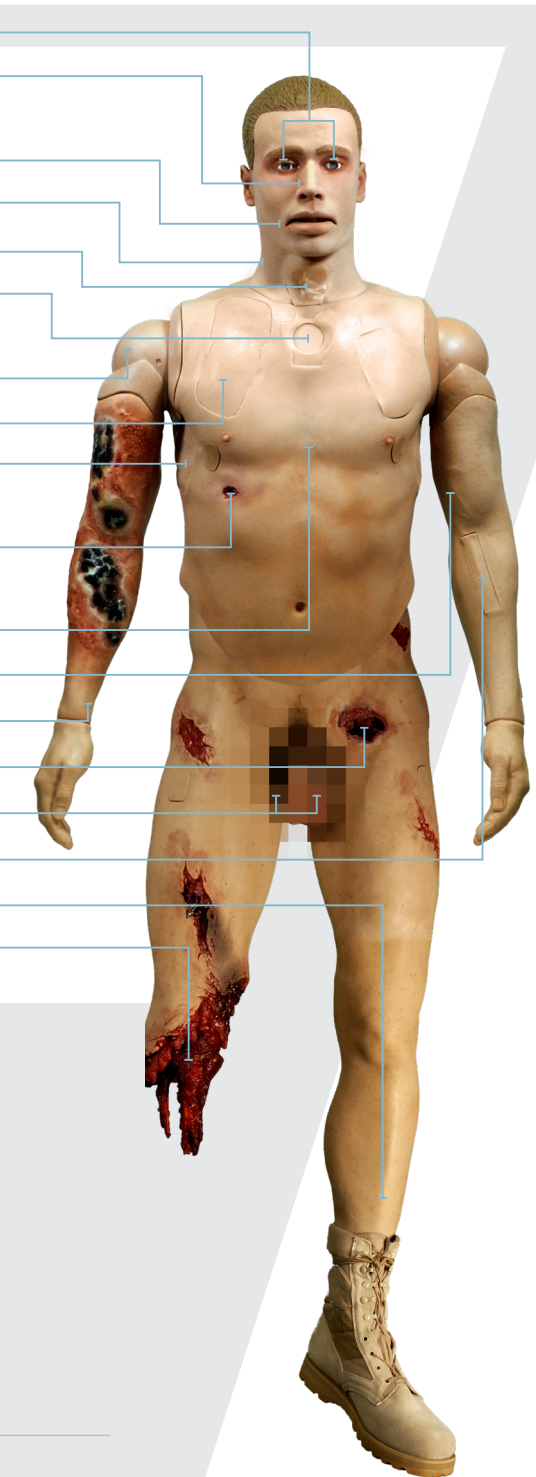


## KEY BENEFITS

- ▶ Multiple sensors provide trainers/learners with instantaneous feedback for After Action Reporting via the Ruggedized Remote Control
- ▶ Simulated heart sounds and breathing with coordinated breath sounds in 4 quadrants
- ▶ Palpable radial, carotid, brachial, femoral, and pedal pulses
- ▶ CPR with sensors to measure compression depth and rate
- ▶ ACLS training with programmed megacodes and AAR data/scorecard
- ▶ Central Line (subclavian) with flash cue, ultrasound compatibility and sensors to monitor placement
- ▶ Simulated tension pneumothorax on either side with appropriate physiologic cues
- ▶ Right leg amputation at the knee with popliteal artery bleed with realistic tourniquet site
- ▶ 2-way communication audio system allows trainer to speak and hear through the simulator
- ▶ Bilateral infusible intraosseous (I/O) trainers and intramuscular injection sites at the humerus/deltoid
- ▶ Realistic manubrium allows I/O training with fluid infusion
- ▶ Bilateral chest tube insertion sites with replaceable, multiple use skin plugs
- ▶ Flexible jaw with internal tracheal landmarks for orotracheal intubation
- ▶ Realistic, light reactive eyes that respond to ambient light or can be remotely set to dilated, pinpoint, TBI, or fixed/nonresponsive
- ▶ Oral airway cavity (with teeth and tongue) for oropharyngeal intubation (Responds to BVM)
- ▶ Nasal passageways with sensors for nasopharyngeal intubation and user selectable airway obstruction at the nose or throat to cue for surgical cric
- ▶ Blood pressure reading via auscultation or palpation with brachial pulse
- ▶ 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
- ▶ Bilateral interactive needle decompression training sites (full size 3.25" 14 gauge needle with air release) with breathing recovery
- ▶ Infusible IV training site at the arm with flash cue
- ▶ 90-degree waist adapter allows simulator to be placed in a sitting position
- ▶ 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
- ▶ 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)
- ▶ Lifelike leg movement, remote controlled using practical and durable special effects animatronics technology
- ▶ Can be used with human actors
- ▶ Crepitus to cue for crushed pelvis injury
- ▶ Foley catheterization with simulated urine
- ▶ Optional bleeding amputation arm, optional non-injured left leg, burn leg, and interchangeable priapism
- ▶ Scrotal Avulsion with optional interchangeable priapism
- ▶ Water resistant
- ▶ Easy to clean and maintain after use

## FEATURES GUIDE

- Adjustable, light-reactive 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
- Bilateral, infusible humeral head I/O and intramuscular injection sites
- Bilateral needle decompression
- Bilateral chest tube insertion sites with replaceable pleural membrane
- Simulated gunshot wound
- Breathing with coordinated breath sounds in 4 quadrants and simulated tension pneumothorax
- Arm with blood pressure site and brachial pulse
- Bilateral radial pulse points
- Packable inguinal crease wound
- Femoral pulses
- IV training site with flash cue
- Tibial (bone plug) infusible intraosseous (I/O) trainer
- Amputation with Arterial Bleeding



ADDITIONAL OPTIONS



ECG SIMULATOR

### OPTIONAL FEATURES

Arms: Uninjured, Amputated.  
Legs: Non-Bleeding Crushed Left Leg, Burn Leg