

# CRL

### RUGGED, DURABLE, AND RELIABLE

Each TacMed Simulation™ 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 Simulation™ 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

- Inguinal crease wound (bleeding status, pressure applied, and time)
- Amputation bleeding/occluded (proper tourniquet application)
- Leg movement manual/auto
- Pulse rate and strength
- Blood loss (volume)
- Patient alive/expired
- Blood pressure

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### TACMED SIMULATION™ MULTIPLE AMPUTATION TRAUMA TRAINER® (MATT™) AWARDS

AMSO Award

SBIR Award

Governors Award

Modeling & Simulation Training Team Award



# CLINICAL RESPONSE LOWER

**CRL** DELIVERS HIGH-FIDELITY SIMULATIONS FOR TRAUMA CARE AND EMERGENCY MEDICINE - IDEAL FOR PROLONGED FIELD CARE.

### PRODUCT SPECIFICATIONS

PRODUCT #	DLA: TFX-CRL-1		GSA: KGS-TFX-CRL-1
DIMENSIONS	LENGTH	WIDTH	WAIST
	50in 127cm	14in 35.6cm	36in 91.4cm
WEIGHT	FULL - 82lbs / 37.2kg		EMPTY - 79lbs / 35.8kg
POWER SUPPLY	Two (2) 18V Li-ion batteries		BLOOD RESERVOIR -2 liters
CASE DIMENSIONS	62"x26"x16"; 153lbs.   157.5cm x 66cm x 40.6cm; 69.4kg		

### 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

# CRL

The **TacMed Simulation™ Clinical Response Lower (CRL)** is a ruggedized, tetherless, remote-controlled human patient medical trainer that delivers high-fidelity realism and durability creating the most authentic simulation of traumatic injuries to support the Continuum of Care – Point of Injury (POI), Secondary Care and Prolonged Field Care. The **CRL** adds to the robust capabilities of the Multiple Amputation Trauma Trainer® (MATT™) and Packable Hemostatic (HEMO) Trauma Trainer and delivers a full left leg with a bleeding wound at the inguinal crease for hemostatic wound training, catheterization capabilities, and a traumatic amputation of the right leg requiring a tourniquet.



## KEY BENEFITS

- ▶ Full left leg with a hemostatic wound at the inguinal crease that requires packing with gauze and the application of measurable pressure
- ▶ Right leg amputation at the knee with popliteal artery bleed with realistic tourniquet site
- ▶ 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
- ▶ Lifelike leg movement, remote controlled using practical and durable special effects animatronics technology
- ▶ Foley catheterization with simulated urine
- ▶ Femoral and pedal pulse
- ▶ Tibial (bone plug) infusible intraosseous (I/O) trainer
- ▶ Bilateral intramuscular injection sites (skin/muscle plug) at the thigh
- ▶ Specially formulated synthetic tissue with unparalleled realism and durability providing realistic visual and tactile stimuli
- ▶ Responds to direct pressure for immediate bleeding control
- ▶ Instantaneous feedback provided through proprietary remote control (RC) transmitter with extended operating range
- ▶ Crepitus to cue for crushed pelvis injury
- ▶ Scrotal Avulsion with optional interchangeable priapism
- ▶ Water resistant
- ▶ Easy to clean and maintain after use
- ▶ Optional non-bleeding crushed left leg, burn leg (optional legs do not include pedal pulse)

## FEATURES GUIDE

Quick-connect attachment; compatible with any TacMed Simulation™ Upper Torso trainer

Solid urethane core for ruggedness

Crepitus to cue for crushed pelvis Injury

Realistic, durable skin

Packable inguinal crease wound

Foley catheterization with simulated urine; scrotal avulsion

Bilateral intramuscular injection sites

Realistic arterial line for tourniquet application at multiple points

Shrapnel impediment for tourniquet application

Bilateral femoral pulses

Animatronic leg movement to simulate combative patient

Flexible joints

Amputation with arterial bleeding

Tibial (bone plug) infusible intraosseous (I/O) trainer

Pedal pulse

### OPTIONAL FEATURES

Optional non-bleeding left leg with crush injury; optional burn leg (not shown).

### MIX & MATCH

TacMed Simulation™ upper and lower trainers can be combined in any configuration to increase training capabilities.

