· MIL-SIM-FX ·

INTERNATIONAL INC.

PRODUCT CATALOG

2021

MIL-SIM-FX
INTERNATIONAL INC.

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MIL-SIM-FX INTERNATIONAL PRODUCT CATALOG **2021**

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LIVE TRAINING SOLUTIONS
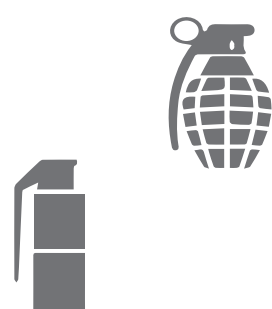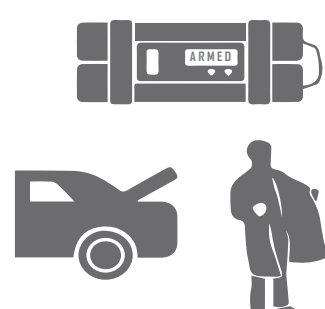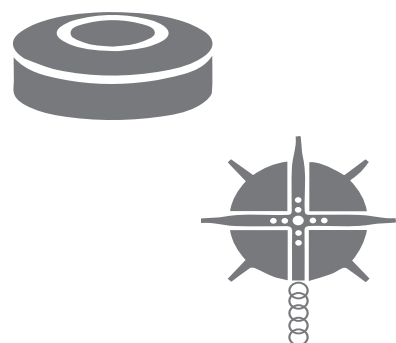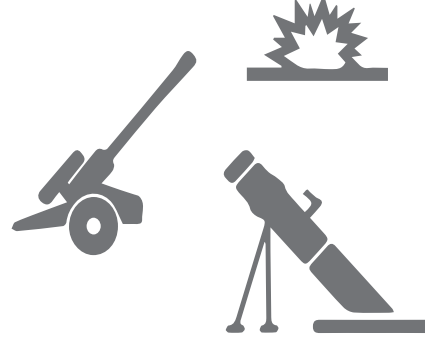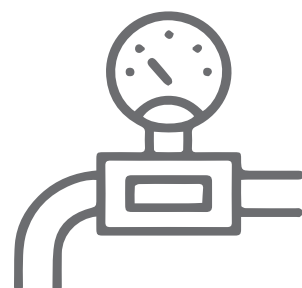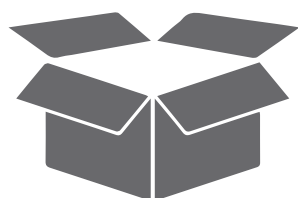
MIL-SIM-FX is the leading provider of live-training domain specific solutions for enhanced battlefield realism and immersive solutions to enable challenging, cost effective, high-fidelity training exercises for military customers worldwide. Since 2004, MIL-SIM-FX has exceeded customer expectations by fielding innovative training solutions and providing essential services for a diverse customer base worldwide.

NAICS Codes:
339999 ALL OTHER MISCELLANEOUS MANUFACTURING
541330 ENGINEERING SERVICES
611430 PROFESSIONAL AND MANAGEMENT DEVELOPMENT TRAINING
423850 SERVICE ESTABLISHMENT EQUIPMENT AND SUPPLIES MERCHANT WHOLESALERS
423490 OTHER PROFESSIONAL EQUIPMENT AND SUPPLIES MERCHANT WHOLESALERS
334419 OTHER ELECTRONIC COMPONENT MANUFACTURING
333318 OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING
332993 AMMUNITION (EXCEPT SMALL ARMS) MANUFACTURING
325920 EXPLOSIVES MANUFACTURING

Product or Service Codes (PSC)

6910   TRAINING AIDS

Company Certifications:
·Controlled Goods (CGP #23714)
·U.S.-Canada J.C.O. Certified Contractor
(JCO# 0045673)
·ISO 9001:2015 Certified

Affiliates
·MIL-SIM-FX USA LLC

Facility
· 10,500 sq ft facility
· Dedicated fabrication and assembly team
· ERP information management systems
· ISO:9001:2015 Certified
· Classroom/ On-site Training (Class size 10)
· Indoor/Outdoor Demonstration Area

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Anti-Tank
Weapon Effect Simulation, Training Aids

SIMULATION TRAINING EQUIPMENT.

100% NON-PYRO ANTI TANK WEAPON SIMULATORS. REALISTIC, FUNCTIONAL TRAINING AIDS. FIELD READY KITS. FRAG FREE, MULTIPLE DETONATIONS. REPLICATES FORM AND FUNCTION TO CREATE CHALLENGING, NOVEL, SAFE LEARNING ENVIRONMENT. SAFE BACK-BLAST SIMULATION.

Enables night time training with modular LED/Flash Ring.

Generates safe audio/visual cue. Activates re-usable RNC 50mm Cartridges for back-blast simulation

MILES not included

Field Kit, RPG-7 Sim w/LED and Mount

NSN: NOT AVAILABLE
PRODUCT ID #: COTS-RPG7LED-KIT

Key Features

•Includes mounting rail for MILES (Transmitter not included)
•Bright LED Flash for nighttime training

Includes

QTY 1- RPG-7 Sim, Launch-tube w/ LED Flash Ring and Rail
QTY 1- RPG-7, Warhead
QTY 3- Refillable Non-Pyro Cartridge (RNC) 50mm
QTY 1- Tool, Powder Fill Nozzle
QTY 1- Tool, Quick Fill Trigger
QTY 1- Consumables, 12g C02 (Box of 25)
QTY 1- Person-worn Cartridge Holder, Fabric, Black
QTY 1- Consumable, Burst Disk, Thermoplastic (Black) (Bag of 50)
QTY 1- Consumable,FX Smoke Powder (22 oz)
QTY 1- Custom Transit Case w/ Foam insert

**Requires RNC (50mm) Cartridges and recharge station for operation. Can be recharged with 12g C02 Quick Fill Trigger or HPA Compressor

NEED MORE ROUNDS?

Bundle, RNC (50mm) (9 Pack)

NSN: NOT AVAILABLE
PRODUCT ID #: BUNDLE-RNC-9-T

Includes

QTY 9- Refillable Non-Pyro Cartridge (RNC) 50mm
QTY 1- Transport Case w/ Custom Foam Cutout

Hand Grenades
Weapon Effect Simulation, Training Aids

SIMULATION TRAINING EQUIPMENT.

100% NON-PYRO HAND GRENADE AND DISTRACTION DEVICE SIMULATOR HARDWARE. FIELD READY KITS. FRAG FREE, MULTIPLE DETONATIONS. REPLICATES FORM AND FUNCTION TO CREATE CHALLENGING, NOVEL, SAFE LEARNING ENVIRONMENT FOR DETECTION/REACTION.

Safely replicate audio, visual, haptic effects (Smoke, Sound). 100% Non-pyrotechnic, mechanically operated M67 Hand Grenade Sim. No batteries required.

Safe, no flame, fragmentation free.

Low cost. Re-usable.
Powered by compressed air.

Realistic form and function.

Kit, (6) M67 Grenade Simulators (Refillable)

NSN: NOT AVAILABLE
PRODUCT ID #: COTS-GRD-PKIT
REV C

Description

100% Non-pyrotechnic, mechanically operated Grenade Simulator. Our reusable, realistic design operates using High Pressure Air and a MIL-SIM-FX burst disc. Safely generates audio/visual cue upon detonation. Complete field kit contains six (6) Frag Grenade Simulators, HPA Refill/Recharge Cylinder and Tool, plus consumables.

Key Features

 • Refillable High Pressure Air (HPA) platform,100% Non-pyrotechnic
 • Mechanically activated, realistic detonation timing 3-5 seconds after spoon release
 • Replicates form, fit and function
 • Generates no flame or spark

Includes

QTY 6- M67 Frag Grenade Simulator, Blue. (Refillable HPA)
QTY 1- Tool, Powder Fill Nozzle
QTY 1- Tool, Refill Trainer
QTY 1- Consumable, FX Smoke Powder, White, (22oz)
QTY 1- Consumable, Burst Disk, Thermoplastic (Black) (Bag of 50)
QTY 1- Tools, Quick Fill Trigger w/GRD Fill Adapter
QTY 1- Tools, Hose Assembly, Fill Station Adapter
QTY 12- Supplies, M67 Spring Handle Lever
QTY 12- Supplies, Pull Pin for Grenade
QTY 1- HPA Cylinder, 35 CU INCH, w/ Regulator
QTY 1- Custom Transit case w/ Foam Insert

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Safely replicate audio, visual, haptic back-blast effects (Smoke, Sound). 100% Non-pyrotechnic, mechanically operated Distraction Device. No batteries required.

Utilizes one(1) disposable 12g C02 cartridge per detonation

Kit, (10) Distraction Device Simulators

NSN: 1080-20-004-4051
PRODUCT ID #: COTS-DD-PKIT

Description

MIL-SIM-FX's non-pyrotechnical Distraction Device SIM is a reusable, Light weight, self-contained device replicating form and function of Hand grenades, stun type and diversion devices. Can be used in small spaces (indoor, underground) and in marine Environments.

Key Features

- 12G disposable C02 platform
- Detonation timing 3-5 seconds after spoon release
- Operator manually adjustable time delay +/- 7 sec
- Generates no flame or spark

Includes

QTY 10- Distraction Device, Anodized Aluminum (Green) (12g C02)
QTY 1- Consumable, Burst Disk, Thermoplastic (Black) (Bag of 50)
QTY 1- Tool, Powder Fill Nozzle
QTY 1- Tool, 12 Gram C02 Cartridge Tray
QTY 2- Consumable,12G C02 Cartridge, Disposable (Box of 25)
QTY 1- Custom Transit Case

NEW FOR 2021

MIL-SIM-FX's new OMNINET product line brings affordable networked battlefield effects capabilities to Homestation Training.

Standalone local area network, OMNINET, allows users to emplace MIL-SIMFX simulators throughout their training area and scale size/complexity according to needs and resources

OMNINET is a mesh network that does not require expensive contractor supported architecture (ie large RF masts, laptops, power generators), and works "out of the box" at trainer's point of need. This allows command/control of all MIL-SIM-FX device types with a simple, easy to use Universal Controller Module, displaying a common operating picture for all battlefield effects and enablers. The OMNINET allows user selectable device types for all MIL-SIM-FX Products (ie Large IED, Mortar Impact, Landmines, CBRNE) and is upgradeable to meet future live training interoperability standards: LT2, UCATT, RF damage effects, Augmented reality.
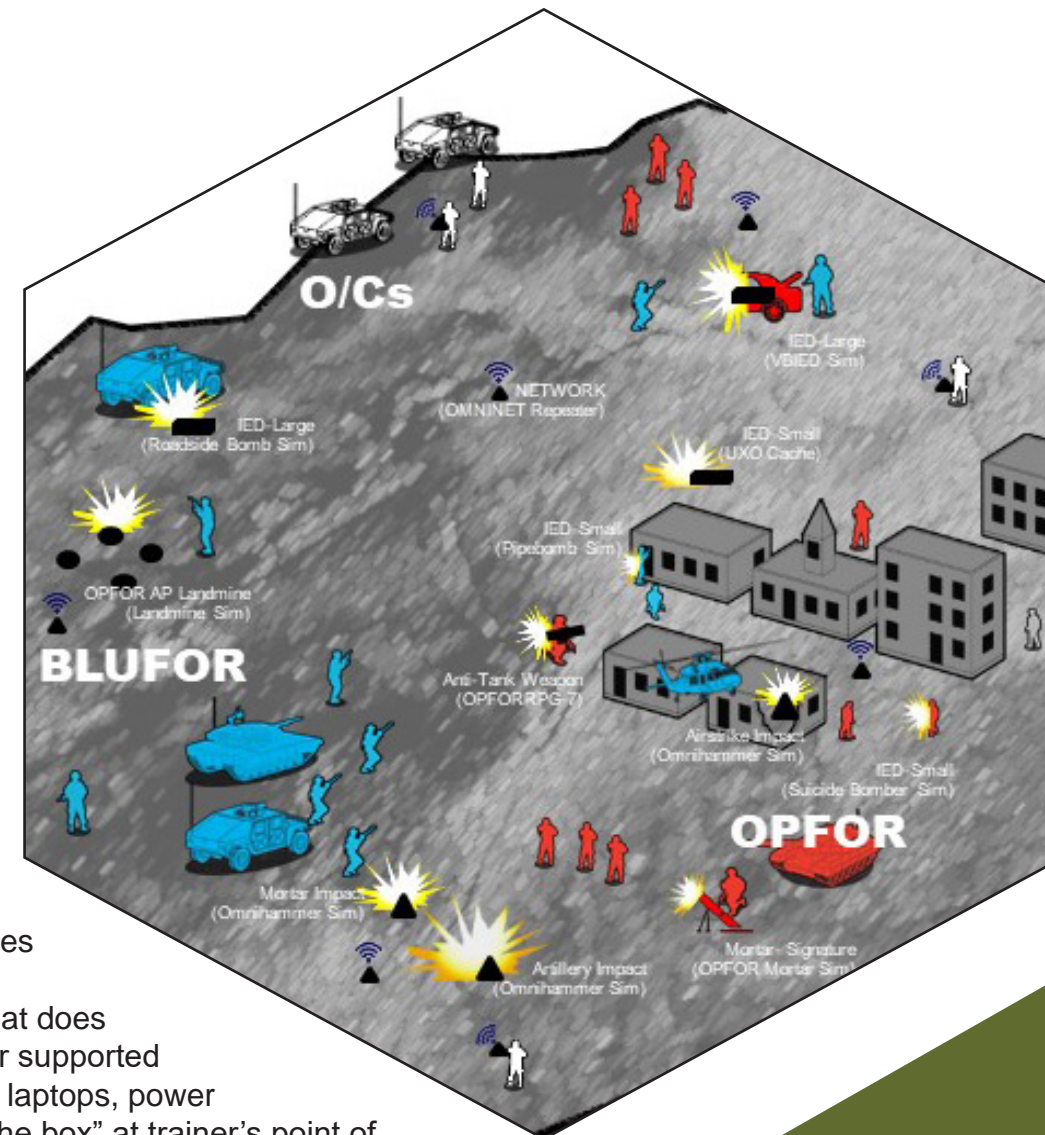

How Does it Work?

Look for 'OMNINET' compatible products within this catalog. These products have built in network connectivity and offer scalable solutions for employment of battlefield effects.

Improvised Explosive Device (I.E.D)

Weapon Effect Simulation, Training Aids

SIMULATION TRAINING EQUIPMENT.

100% NON-PYRO I.E.D AND BOOBY-TRAP SIMULATORS. FIELD READY KITS. FRAG FREE, MULTIPLE DETONATIONS. REPLICATES FORM AND FUNCTION TO CREATE CHALLENGING, NOVEL, SAFE LEARNING ENVIRONMENT FOR DETECTION/REACTION.
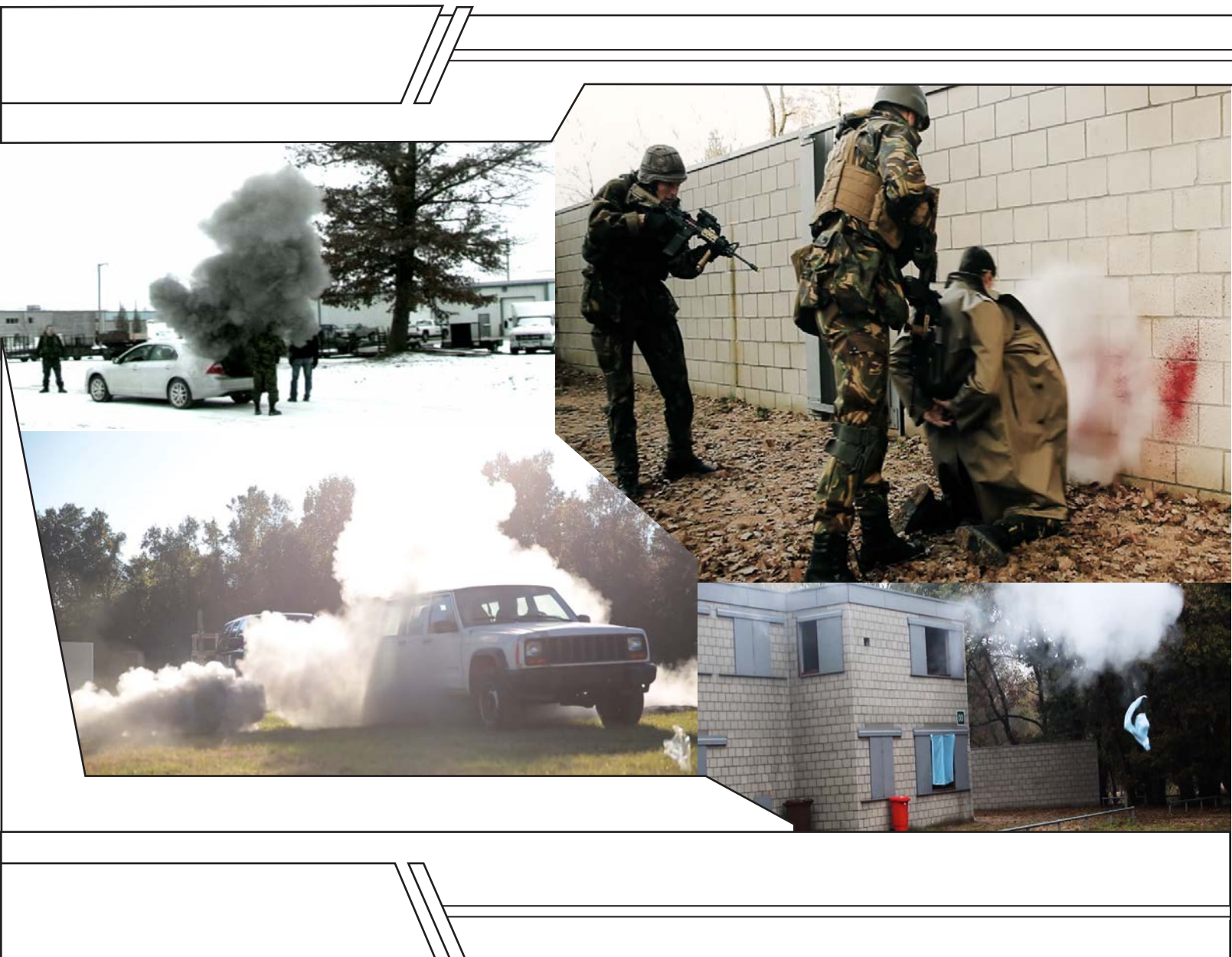
Suitable for mounted training applications. Produces large audio reports. Up to four (4) shots before reload. A combination of externally charged devices for maximum safety and ease of use, in one quick deploying carrying caddy.

Includes multiple trigger types: pressure applied/release, tripwire, RF Remote and Command detonation via airline.

Kit, (1) Large I.E.D Simulator, OMNINET Compatible

NSN: 6920-20-008-0560
PRODUCT ID# COTS-LIED-K
REV C

Description

Complete field-ready kit! Contains multi-shot Large I.E.D Sim device which can be used "as-is" or broken out and reconfigured into four (4) different I.E.D types with separate triggers (command, victim operated, RF trigger).Modular large effects system, allows execution of novel, complex scenarios. Suitable for mounted training applications. Produces large audio reports capable of being heard from inside moving vehicles. Jammable RF Trigger (remote control) uses off-the-shelf transmitter/receiver (2.4GHz).

Key Features

RF Trigger/ Detonator
» Auto-pairing, compatible with any OMNINET networked device
» Safety: TEST and LIVE modes to prevent user error
» Displays status and availability of all devices on the network
» Controls up to forty-four (44) end devices simultaneously
» Requires six (6) AA batteries (rechargeable or disposable)
» External trigger input port allows use of advanced I.E.D triggers.
» Detonator Functions: ARM/DISARM,DEVICE TYPE/ID

Includes
QTY 1- Large I.E.D Sim (4 shot), Reconfigurable
QTY 1- Trigger, Multifunction (12g C02 Device)
QTY 1- Trigger, Pressure Applied (12g C02 Device)
QTY 1- Trigger, Pressure Release (12g C02 Device)
QTY 1- Detonator, OMNINET (2.4GHz)
QTY 1- Universal Controller, OMNINET (2.4GHz)
QTY 4- HPA Cylinder, 35 Cu in
QTY 1- Accessory, Airline - 4way Splitter
QTY 9- Accessory, Ground Stake, 6 inch
QTY 4- Accessory, Protector Tube, 10 inch
QTY 2- Cable, Battery Charge
QTY 1- Cable, Connector to RF Detonator (5 pin) (3 ft)
QTY 1- Tool, 1/2" and 7/16" Nut Driver, T-Handle
QTY 1- Tool, Powder Fill Nozzle
QTY 1- Tool, Quick Fill Trigger
QTY 1- Maintenance Box, LIED-K
QTY 1- Consumables, FX Smoke Powder (22 oz)
QTY 50- Consumables, Burst Disk (Green)
QTY 25- Consumables, Disposable 12GC02
QTY 1- Transit Case w/ Custom Foam Insert

Safely replicate audio, visual, haptic effects (Smoke, Sound). Generates large visual, audio and haptic cue. Environmentally safe.
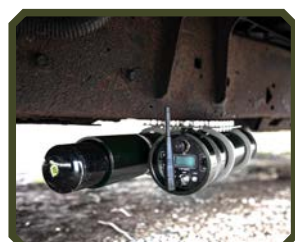
Magnetic caddy for quick deployment. Concealable, small footprint.

User selectable device type. Rugged input/output trigger port, enables use of multiple "smart" trigger types

Easy to conceal, suicide vest simulator can be equipped with moulage (fake blood) for realistic casualty effects and medical training capabilities.

Uses 12G C02 cartridges and burst disk for detonation.

Kit,(1) Vehicle-Borne (V.B.I.E.D) Sim, OMNINET Compatible

NSN: NOT AVAILABLE
PRODUCT ID# KIT-OMNI-VBIED

Description

Introducing the new "smart" V.B.I.E.D device with extended range, mesh network capabilities and rugged external triggers. Complete 'field' kit includes V.B.I.E.D device, RF Remote Control and Repeater. Easy to set-up and reload, includes all consumables and maintenance tools in rugged transport case with wheels. Uses FX Powder (Cool Smoke) and burst disks. Multiple training applications include: U.X.O, V.B.I.E.D, checkpoint, convoy and I.E.D detection lanes.

Features

» 100% compressed air, non-pyrotechnic
» Enables trainers to create novel scenarios based on training audience or training area
» Variable signatures and effects for realistic explosive effect simulation
» Auto-pairing RF Control Module: auto-detects devices within range
» Operates on dedicated 2.4 GHz wireless network (OMNINET)
» Rugged input/output port, enables use of multiple "smart" trigger types
» Requires AA batteries for operation
» Compatible with multiple burst disk types, including "frag free" burst disk
» Easily concealable, includes magnetic caddy for under-vehicle application
» Scalable solution: easily add more devices to network for complex scenarios

**Requires HPA Cylinders and fill station for operation.

Includes

QTY 1- Omnihammer Simulator (V.B.I.E.D)
QTY 2 - HPA Cylinder, 35 CU INCH
QTY 1- Repeater/Detonator, OMNINET (2.4 GHz)
QTY 1- Universal Controller, OMNINET, RF (2.4 GHz)
QTY 1- Trigger, Hacksaw Blade (4 pin)
QTY 1- Tool, Quick Fill Trigger
QTY 1- Tool, Powder Fill Nozzle
QTY 4- Consumable, FX Smoke Powder, White, (22oz)
QTY 2- Consumable,12G C02 Cartridge, Disposable (Box of 25)
QTY 1- Consumable, Burst Disk, (Green) (Bag of 50)
QTY 1- Consumable, Burst Disk, (Black) (Bag of 50)
QTY 1- Custom Transit Case w/ foam insert

Kit, (1) Suicide Vest Simulator, Command Det (12G CO2)

NSN: NOT AVAILABLE
PRODUCT ID# COTS-SV54-K

Description

The person-worn I.E.D simulator is easy to set-up and reload, capable of generating audio, visual and haptic cue. Uses FX Powder (Cool Smoke) and burst disks, simulators can be used indoors and in marine environments. No batteries required.

Features

○ Designed for Urban Training Areas
○ Versatile Small I.E.D Sim "Toolbox" for unlimited scenarios
○ Suitable for indoor applications
○ Turnkey design, quick, easy inventory
○ No batteries required
○ Easy to use
○ Environmentally Safe

**Requires Disposable 12g C02 cartridges for operation

Includes

QTY 1- Trigger, PNU, Command Det
QTY 1- Trigger, Multifunction (Tripwire/Applied)
QTY 4- I.E.D Simulator, 2", Pipe Bomb w/ Right Angle Head
QTY 1- Role-player Fabric Vest, Nylon
QTY 1- Tool, Airline Clippers
QTY 1- Tool, Powder Fill Nozzle
QTY 1- Supplies, Airline, 1/8", 100'
QTY 1- Supplies, Tripwire w/Hair Trigger
QTY 2- Consumables, FX Powder (White)
QTY 1- Consumables, 12G C02
QTY 1- Burst Disk, Black (Bag of 25)
QTY 1- Burst Disk, Green (Bag of 25)

Designed for indoor, confined spaces and urban settings.

Uses disposable 12G C02 cartridges and burst disk for detonation.

DISPLAY
DETONATOR MAIN MENU
▶ DEVICE: SIED#1   ↑
  STATUS: DISARMED
  AVAIL DETS: 0/2   ↓

Kit (1), Small I.E.D with Remote Trigger, OMNINET Compatible

NSN: NOT AVAILABLE
PRODUCT ID# OMNI-E3-EFD-K

Description

Complete field ready kit! Safely replicate audio, visual, and haptic battlefield effects. Contains a Small I.E.D Simulator, Detonator, Universal Controller and consumables. Uses dedicated MIL-SIM-FX OMNINET ™ mesh network for advanced command and control RF remote detonation capabilities. Includes pneumatic airline cap adapter for activating and daisy chaining additional MIL-SIM-FX I.E.D Simulators.

Features

• Suitable for urban, dismounted training applications
• Capable of two (2) detonations before reload
• Small profile, easy set-up
• Compatible with legacy MIL-SIM-FX I.E.D triggers or user- created triggers. Enables victim operated detonation.

OMNINET mesh network compatible

• Connect multiple devices for scalable scenarios
• View all available devices connected to the network for a common operating picture using any RF Controller

RF Remote Control capabilities

• Reliable, long range
• Mesh network overcomes LOS and non-LOS limitations in difficult terrain or urban settings. Detonators and Controllers natively rebroadcast signals for improved reliability and range.

Includes

QTY 1- Small I.E.D Simulator, w/ Magnetic Caddy
QTY 1- Universal Controller, OMNINET, RF (2.4 GHz)
QTY 1- Detonator, Small, OMNINET RF (2.4 GHz)
QTY 1 - Trigger, Hacksaw Blade (4pin)
QTY 2 - Cable, 2.0m (6.5ft), OMNI Battery Charging
QTY 1- Cable, 4.0m (13.0ft), OMNI External Trigger
QTY 1 - Cable, 1.0m (3.25ft), OMNI E3 Breakout
QTY 1 - Consumable, Burst Disk (Green) (Bag of 50)
QTY 1 - Consumable, FX Smoke Powder, White, (22oz)
QTY 1 - 12G C02 Cartridges (box of 25)
QTY 1 - Tool, Powder Fill Nozzle
QTY 1 - Tool, Wrench, Allen, T-Handle, 5/32"
QTY 2 - Accessory, 2", Airline Trigger Cap
QTY 1 - Custom Transit Case w/ Foam Cutout

Safely replicate audio, visual, haptic effects (Smoke, Sound). Generates large visual, audio and haptic cue. Environmentally safe.

Utilizes one (1) disposable 12g C02 cartridge per detonation

Kit (3), UXO I.E.D Simulators, Multiple Triggers, Airline Activated

NSN: NOT AVAILABLE
PRODUCT ID# KIT-IEDSIM-UXO-SM

Description

Complete 'field' kit includes three (3) U.X.O I.E.D Simulators and three (3) victim operated triggers plus consumables and setup tools. Designed for urban environments and confined spaces. Easy to set-up and reload, includes all consumables and maintenance tools in rugged transport case with wheels. Uses FX Powder (Cool Smoke) and burst disks. Multiple training applications include: U.X.O and I.E.D detection lanes.

Features

» No batteries required
» Daisy chain capability
» Compatible with marking rounds
» Rugged, reliable, durable simulators
» Buriable

Includes

QTY 1- MORTAR, UXO I.E.D Simulator, Small, 3", Airline Activated
QTY 1- 105MM, UXO I.E.D Simulator, Small, 3", Airline Activated
QTY 1- EFP, UXO I.E.D Simulator, Small, 3", Airline Activated
QTY 1- Consumable,12G C02 Cartridge, Disposable (Box of 25)
QTY 1- Consumable, Burst Disk, (Black) (Bag of 50)
QTY 1- Tool Airline Clippers
QTY 1- Trigger, Pressure Applied (12G Device)
QTY 1- Trigger, Pressure Release (12G Device)
QTY 1- Trigger, Tripwire, Multifunction (12G Device)
QTY 1- Tool, Powder Fill Nozzle
QTY 3- Consumable, FX Smoke Powder, White, (22oz)
QTY 1- Supplies, Airline, 1/8 inch, Green, 100 Feet
QTY 1- Transit Case w/ Custom Foam Cutout

Landmines
Weapon Effect Simulation, Training Aids

SIMULATION TRAINING EQUIPMENT.

SIMULATES AUDIO, VISUAL AND HAPTIC CUES FOR ENCOUNTERS WITH LANDMINE THREATS. MULTIPLE CONFIGURATIONS AND USE CASES (CAN BE BURIED). DURABLE, RUGGED DESIGN. REPLICATES FORM AND FUNCTION OF VICTIM OPERATED LANDMINES. 100% NON-PYRO, NO ENVIRONMENTAL IMPACT OR SPECIAL STORAGE REQUIREMENTS. UTILIZES DISPOSABLE 12G CO2 CARTRIDGE FOR OPERATION.

Easy to conceal. Buriable.

Utilizes one (1) disposable 12g C02 cartridge and burst disk per detonation

Victim Operated: Tripwire Detonation

Kit, (6) Anti-Personnel Landmine Simulators, Small

NSN: UNAVAILABLE
PRODUCT ID #: COTS-LM-KIT

Description

Safely replicate audio, visual, haptic effects (Smoke, Sound) of anti-personnel landmine threats. Can be used indoors, outdoors and within confined spaces. Rugged, durable design. Easy to load and deploy, this simulation device provides pressure applied/release detonation and tripwire detonation capabilities. "Fragment Free", allows use of multiple burst disk types with fragmentation.

Key Features

• 6 ft visual cue using FX Powder (Cool Smoke)
• 120-140 db audio cue
• No batteries required
• Safe and reusable solution for detection/reaction combat training
• Small profile
• 100% Non-pyrotechnic
• Mechanically operated

Includes

QTY 6- AP Landmine Sims, 12GC02
QTY 6- Pin, Push-Lock, Safety
QTY 6- Pin, Hair Trigger
QTY 25- Consumables, Burst Disk, Plastic Cup
QTY 25- Consumable, Burst Disk, Thermoplastic (Black)
QTY 2- Consumable, FX Smoke Powder, White (22 oz)
QTY 25- Consumable, Disposable 12GC02
QTY 1- Tool, Powder Fill Nozzle
QTY 1- Tool, Plug Remover for AP LM
QTY 6- Pierce Pin, Step Off
QTY 1- Transit Case w/ Custom Foam Cutout

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Mortar & Artillery
Weapon Effect Simulation

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100% NON-PYRO MORTAR AND ARTILLERY IMPACT SIMULATORS HARDWARE. FIELD READY KITS. FRAG FREE, MULTIPLE DETONATIONS. REPLICATES FORM AND FUNCTION TO CREATE CHALLENGING, NOVEL, SAFE LEARNING ENVIRONMENT FOR DETECTION/REACTION.
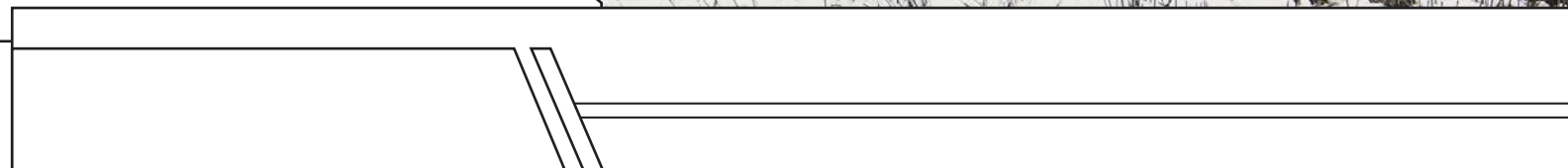

Image: Omnihammer Sim detonated remotely, attached with magnetic caddy

Universal Controller

OMNIHAMMER SIMULATOR
NSN: NOT AVAILABLE
PRODUCT ID #: MIL-SIM-DV6IN

RF Repeater/Range Extender

Kit, (4) Omnihammer Simulators, OMNINET Compatible

NSN: UNAVAILABLE
PRODUCT ID #: COTS-OMNI-KIT
REV B

Description

Complete field ready kit! Contains four (4) standalone devices with built-in remote RF detonation capability, one (1) auto-pairing RF remote control and one (1) RF Range Extender (Repeater). Simulators also have built-in input/output data port (USB 2.0) which allows use of accessories such as: I.E.D Triggers, strobe lights, MILES. Safely replicate audio, visual, haptic blast effects.

Kit Includes:
QTY 4- Omni Non-Pyro Simulator Devices w/ Magnetic Caddy,
QTY 4- High Pressure Air (HPA) Cylinders, 35 Cu IN
QTY 1- RF Remote Control (2.4 GHz)
QTY 1- RF Repeater/Range Extender (2.4 GHz)
QTY 1- Battery Charger
QTY 1- Victim Operated Trigger (Hacksaw Blade)
QTY 1- Cable, Amphenol (4m/13 ft)
QTY 2- Consumable, 12G C02 (Box of 25)
QTY 1- Consumable, Burst Disk (Green) (Bag of 50)
QTY 2- Consumable, FX Smoke Powder (White) (22oz)
QTY 1- Transit Case w/ Custom Foam Insert

Universal Controller
• Automatically detects "armed" MIL-SIM-FX devices on network, allows remote control and query of device status
• Battery Requirements: six (6) AA batteries

Repeater/Range Extender
• Battery Requirements: six (6) AA batteries
• Mesh Network Range Extender up to 1000m
• Magnets on bottom for easy mounting
• External Output port for detonation of legacy MIL-SIM-FX devices

Omnihammer Simulator
• Scalable device replicates small I.E.D, large I.E.D, mortar/artillery impact
• Produces large audio reports capable of being heard from inside moving vehicles
• 100% Non-Pyro, Compressed Air, Environmentally safe. No special transport or disposal requirements.
• Compatible with electric I.E.D Trigger types (ex. Command,victim operated, cell phone)
• Magnetic caddies allow devices to be easily mounted
• LCD Display, user selectable device type. Includes "test" mode.
• Powered by reusable, refillable High Pressure Air (HPA) Cylinders
• Battery Requirements: eight (8) AA batteries

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SPARES, 12G DROP-FIRE LAUNCH TUBE (SINGLE)
NSN: NOT AVAILABLE
PRODUCT ID #: COTS-MTR-DFLTA

Advanced OPFOR. Threat simulator for detection/ reaction in conventional or asymmetrical operating environments.

Generates LED Flash for nighttime training applications.

SPARES, 12G DROP-FIRE ROUND (SINGLE)
NSN: NOT AVAILABLE
PRODUCT ID #:COTS-MTR-DF2

Uses one (1) disposable 12G C02 cartridge and burst disk for detonation.

SPARES, DROP-FIRE RNC 50MM ROUND (SINGLE)
NSN: NOT AVAILABLE
PRODUCT ID #: COTS-RNC-MTRND

SPARES, RNC DROP FIRE LAUNCH TUBE
NSN: NOT AVAILABLE
PRODUCT ID #: COTS-RNC-MTR

SPARES, RNC 50MM (SINGLE)
NSN: NOT AVAILABLE
PRODUCT ID #: COTS-RNC-50MM

Kit, Drop-Fired Mortar Sim, 81mm

NSN: NOT AVAILABLE
PRODUCT ID #: COTS-MTR-DFNFK2

Description

Complete kit with launch tube and drop-fired rounds. Replicates form and function of enemy weapon effects. Safely generates haptic weapon effects (Smoke, Sound. Models available with Flash (light) effects for nighttime training.

Key Features

-100% Non-Pyro, Compressed Air 12G C02 Platform
-Enhanced realism and replication of opposing force threats in the field
-Environmentally safe.
-No special transport or disposal requirements.
-Durable, rugged design. Aluminum construction.
-No batteries required

Includes

QTY 8- Reusable, Mortar SIM Rounds (12g C02)
QTY 1- 81mm Mortar Sim Launch-tube
QTY 1- Custom Transit Case
****Plus consumables (12g C02, burst disk, FX powder)*

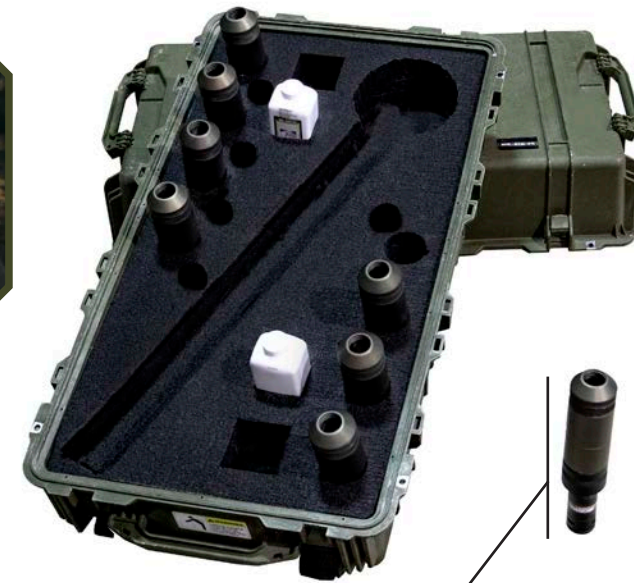# NEED MORE ROUNDS?

Drop Fire Sim Rounds, 12G CO2 (4 Pack)

NSN: NOT AVAILABLE
PRODUCT ID #: BUNDLE-MTR-DF2-4-T

Includes
QTY 4- Drop Fire Mortar Rounds (12g C02)
QTY 1- Custom Transport Case

RNC (50mm), Compressed Air Cartridges

Kit, Drop-Fired Mortar Sim w/ Flash Effects

NSN: NOT AVAILABLE
PRODUCT ID# COTS-MTR-DFLRK

Description
Complete kit with launch tube and drop-fired rounds. Replicates form and Function of enemy weapon effects. Safely generates haptic weapon effects (Smoke, Bang, flash). Requires 9v battery for operation.

Features
-100% Non-Pyro, Compressed Air
-Environmentally safe.
-No special transport or disposal requirements.
-Durable, rugged design. Aluminum construction.
-Flash Effects for night training

Includes
QTY 1- Drop-Fire Launch Tube w/Flash Effects
QTY 8- Mortar Rounds, 3", Drop-Fired
QTY 8- RNC 50mm Cartridges
QTY 8- Safety Pins 3/16"
QTY 2- Consumable, FX Smoke Powder, White (22oz)
QTY 50- Consumables, Burst Disk, Thermoplastic, Black
QTY 1- Tool, Powder Fill Nozzle
QTY 1- Tool, HPA Quick Fill Trigger (RNC 50mm)
QTY 1- Tool, Hose Adapter, Compressor
QTY 1- Transit Case w/ Custom Foam Insert

Product Image
Coming Soon

Drop Fire Sim Rounds, RNC50mm (4 Pack)

NSN: NOT AVAILABLE
PRODUCT ID #: BUNDLE-MTR-RNC-4-T

Includes
QTY 4- Drop Fire Mortar Rounds (RNC 50mm)
QTY 1- Custom Transport Case

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Refill & Recharge
Support Equipment and Tools

LOGISTICS SUPPORT AND SUSTAINMENT

TOOLS AND ACCESSORIES TO SUPPORT REFILL AND RECHARGE OF COMPRESSED GAS. 100% NON PYROTECHNIC SIMULATOR HARDWARE.

Bundle, HPA Cylinders (16 Pack)

NSN: NOT AVAILABLE
PRODUCT ID #:BUNDLE-HPA-16T

Description

Enables safe transport of high pressure air (HPA) cylinders to the training area. Easy to inventory, stackable design improves logistics during storage and transit.

Includes
QTY 16- HPA Cylinders, 35oz
QTY 1- Custom Transport Case

SPARES, VALVE CAP, MAGNETIC (GREEN)
NSN: 4820-20-005-2882
PRODUCT ID #: COTS-HFV-MEC

SPARES, HFV RUPTURE DISK (PKG OF 10)
NSN: 4820-20-008-3298
PRODUCT ID #: COTS-HFV-RDK

SPARES, O-RING URETHANE, SIZE 015, DUROMETER 90
NSN: 5331-20-008-7478
PRODUCT ID #: COTS-41010-ORK

HPA Cylinder, 35 CU IN,w/ High Flow Valve

NSN: 8120-20-005-1374
PRODUCT ID #: COTS-35-HPN

Description

Required for detonation of large simulators. Refillable, reusable, high pressure cylinder with high flow valve. Fills up to 1800 psi. Built in safety mechanism, rupture disk. Materials: Light weight alloy steel cylinder, machined brass

Includes
QTY 1- HPA Cylinder, 35 CU Inch, w/ High Flow Valve
QTY 1- Protective cap

Refills 35oz, 9 oz and 4 oz HPA Cylinders

Refills RNC 50mm, Quick Fill Adapter (Tool Sold Separately)

Refills HPA M67 Hand Grenade Simulator (Tool Sold Separately)

NEMA 5-15
15A-125V

SPARES, SET-PLUG, MAGNETIC (GREEN)
NSN: 4730-20-008-3285
PRODUCT ID #: COTS-ECH-SP

Quad Quick Fill Station

Air Compressor, 4 port, 115V

NSN: 8120-20-009-0858
PRODUCT ID #: COTS-HPC-115

Description

High Pressure Air (HPA) Compressor, 4 port. Premium BAUER Junior II high pressure compressor fitted with custom aluminum manifold that permits filling of MIL-SIM-FX High Pressure Cylinders and Simulators.
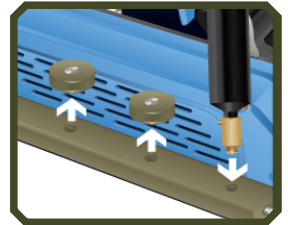
Key Features

- Permits recharge of 4 high pressure cylinders at the same time
- Safety regulators prevent overfilling.
- Can fill High Pressure Bottles in 6 minutes
- Easy operation, ready to use
- Includes muffler to reduce noise

Includes

QTY 1- Air Compressor, 115V w/ MIL-SIM-FX Fill Manifold
QTY 4- Set Plug Protective Caps
QTY 1- Tool, HPA Quick Fill Trigger (RNC 50mm)
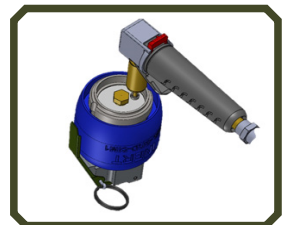*QTY 1- Transit Case*

Photo: Air Compressor inside custom transport case

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Kit, Field Support (HPA Refillable)

NSN: 6920-20-008-8997
PRODUCT ID #: COTS-FSB-LIED

Description

Field Support Kit for Large Simulators. Complete package with custom transport case for consumables (burst disk and powder), HPA cylinders and other supplies.

TOTAL WEIGHT: 73 lbs

Includes
QTY 5- Consumable, FX Smoke Powder, White, (22oz)
QTY 3- Supplies, Airline, 1/8 inch, Green, 100 feet
QTY 4- Consumable,12G C02 Cartridge, Disposable (Box of 25)
QTY 4- Consumable, Burst Disk, (Green) (Bag of 50)
QTY 1- Tool, Powder Fill Nozzle
QTY 8- HPA Cylinder, 35 CU INCH
QTY 1- Transport Case w/ Custom Foam Cutout

Kit, Field Support (12g C02)

NSN: 8115-20-005-1466
PRODUCT ID #:COTS-FSB-SIED

Description

Field Support Kit, for 12g C02 platform. Complete Kit, with transport case, allows safe and convenient storage of disposable cartridges, consumables (FX powder, burst disk), tools and supplies.

TOTAL WEIGHT: 50 lbs

Includes
QTY 8- Consumable, FX Smoke Powder, White, (22oz)
QTY 4- Consumable, Burst Disk, Thermoplastic (Black) (Bag of 50)
QTY 2- Supplies, Airline, 1/8" Green, 100 feet
QTY 1- Tool, Powder Fill Nozzle
QTY 3- Consumable,12G C02 Cartridge, Disposable (Box of 25)
QTY 1- Tool, Airline Clippers
QTY 1- Custom Transport Case
QTY 1- Transport Case w/ Custom Foam Cutout

Bundle, RNC (50mm) (9 Pack)

NSN: NOT AVAILABLE
PRODUCT ID #: BUNDLE-RNC-9T

Description

Safe and secure transport for refillable RNC (50mm) non-pyro cartridges. Stackable, easy to inventory.

Includes
QTY 9- Refillable Non-Pyro Cartridge (RNC) 50mm
QTY 1- Transport Case w/ Custom Foam Cutout

SPARES, RNC 50MM (SINGLE)
NSN: 4820-20-005-2882
PRODUCT ID #: COTS-RNC-50MM

Refill & Recharge Tools

Useful tools used to refill and recharge high pressure air cylinders, cartridges and simulators.

Choose your Tools below:

Tool, Quick Fill Trigger (12g CO2)

NSN: 4820-20-005-1386
PRODUCT ID # COTS-12G-QFT

Description
Used for filling Compressed Air Chambers. Requires disposable 12 gram cartridges for operation. Rugged, durable design. Materials: Brass and machined plastic
• Built-in safety prevents accidental discharge of compressed gas

Tool, HPA Quick Fill Trigger (RNC 50mm)

NSN: NOT AVAILABLE
PRODUCT ID # COTS-HPA-QFT

Description
Used for filling Reusable Non-Pyro Cartridges (RNC 50mm). Rugged, durable design. Materials: Brass and machined plastic.
• 1/8" NPT Quick Disconnect (Male) Hose Adapter
• Built-in safety prevents accidental discharge of compressed gas

Tool, GRD Quick Fill Trigger (HPA)

NSN: NOT AVAILABLE
PRODUCT ID # COTS-GRD-QFT

Description
Allows recharge of M67 Hand Grenade Simulators. Rugged, durable design. Materials: Brass and machined plastic.
• 1/8" NPT Quick Disconnect (Male) Hose Adapter
• Built-in safety and overflow valves

Tool, Powder Nozzle, Refill

NSN: NOT AVAILABLE
PRODUCT ID # COTS-PWD-NZL

Description
Attaches to FX, Smoke/Powder containers to increase refill speed.
• Constructed of durable aluminum

Consumables & Supplies
Support Items
LOGISTICS SUPPORT AND SUSTAINMENT

Burst Disks

Are used to detonate all of MIL-SIM-FX devices. These one-time use, disposable plastic or rubber disks generate the audio, visual and haptic effects for all types of simulators.

Choose your burst disks:

Burst Disk- Thermoplastic (Black)

Description
• For "boom"/ "crack" sound
• Fragment free
• For use in cold temperatures below 14F / -10C

Purchase Options:

Bag of 50.................. Part No: COTS-TPD-50
NSN: 6920-20-009-3196

Burst Disk- Rubber (Green)

Description
• For "boom" sound, our loudest burst disc
• Fragment free
• For use in temperatures above 14F/-10C

Purchase Options:

Bag of 50................ Part No: COTS-GBD-50
NSN: 1370-20-008-7361

Burst Disk- Plastic Cup (Black)

Description
• For "crack" sound
• Produces fragments within 10 feet

Purchase Options:

Single........................ Part No: COTS-PBD
NSN: 6920-20-005-1394

Package of 100......... Part No: COTS-PBD-100
NSN: 6920-20-008-3348

Case of 2500............. Part No: COTS-PBD-2500
NSN: 6920-20-008-0797

FX Smoke Powder (White)

Description

White FX Powder (Cool Smoke) used to simulate the visual cloud effect of an explosion. Ground Talc Powder, non-toxic

Purchase Options:

White, Single (22 oz)..................Part No: COTS-WHT-BTL
NSN: 6910-20-004-5480

Case, 12-Pack ....Part No: COTS-WHT-CS
NSN: 6920-20-005-1319

Disposable, 12G CO2 Cartridges

Description
•12 gram liquid CO2
• Disposable formed plated steel cartridge
• Recommended for use with MIL-SIM-FX products

Purchase Options:

Box of 25................ Part No: COTS-12G-CO2
NSN: 6920-20-005-1320

Supplies, Airline (Green) (100 feet)

Description
• Airline used to connect triggers with device
• Compatible with 1/8" x 10/32" airline connector
• Sold in 100 ft sections
• Par flex 1/8 O.D. X .031 wall nylon 500 WP line

Purchase Options:

Single, 100ft Section........Part No: COTS-GRN-100
NSN: 4720-20-005-1802

Tool, Airline Clippers
NSN: 6920-20-005-1524
PRODUCT ID #COTS-10-AC

Description
• Airline clippers with lanyard
• Plastic with stainless steel cutting blade

Accessory, 4-WAY, Airline Splitter
NSN: 4730-20-008-0578
PRODUCT ID #COTS-4-WAY

Description
• Airline fitting used for daisy chain detonations when activating up to 4 individual devices
• Requires airline (Par flex 1/8 O.D. X .031 wall nylon 500 WP line)
• Rugged, durable design. Materials: Anodized Aluminum (Green), Stainless Steel

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Service & Training
Courses, NET, Obsolescence

NEW EQUIPMENT TRAINING COURSES FOR BASIC OPERATOR, REPAIR/MAINTAINER AND MASTER TRAINER.

Basic Operator Course (English)

Anti-Tank SIM, RPG-7, RNC 50mm

COURSE ID #: OFFST-19-NET-BO-ATGM

This beginner course will teach setup, employment, and trouble-shooting for MIL-SIM-FX OPFOR Anti-Tank Sim devices.

Applies to the following Simulation Equipment:
•RPG-7 Simulator w/ RNC 50mm(Refillable HPA)
•RPG-7 Simulator w/ RNC 50mm (12g C02)
•Reusable Non-Pyro Cartridge (RNC) 50mm
•Quad Quick-fill Station (Air Compressor)
•Tools, Consumables
•MILES/Laser Mounting/Alignment (select models)

Type: New Equipment Training (NET), Safety Training
Platform: OPFOR Anti-Tank, Non-Pyro
Format: Classroom, Hands-On
Certificate Provided? Yes
Hardcopy Textbook Provided? Yes
Location: Customer Specified, CONUS
Duration: 4 hours
Min Class Size: 1 person
Max Class Size: 6 people

Basic Operator Course (English)

Fill Station, High Pressure Air

COURSE ID # OFFST-19-NET-BO-FILSTN

This intermediate course will teach setup, employment, and Troubleshooting for HPA Refill stations with medium and large I.E.D devices and triggers (Refillable HPA) , along with refillable Cartridges (RNC 50mm)

Applies to the following Simulation Equipment:
•Quad Quick-fill Station (Air Compressor Recharge)
•HPA Cylinders (4 oz, 9 oz, 35oz)
•RNC 50mm
•Tools

Type: New Equipment Training (NET), Safety Training
Platform: Refill/Recharge Equipment, Compressed Air
Format: Classroom, Hands-On
Certificate Provided? Yes
Hardcopy Textbook Provided? Yes
Location: Customer Specified, CONUS
Duration: 8 hours
Min Class Size: 1 person
Max Class Size: 6 people

Basic Operator Course (English)

AP Landmine & Drop-Fire Mortar

COURSE ID # OFFST-19-NET-BO-LMTR

This beginner course will teach setup, employment, and Troubleshooting for Anti-Personnel (AP) Landmine Sim devices and Improvised Drop Fire Mortar Simulators (12g C02 platform).

Applies to the following Simulation Equipment:
•M14 AP Landmine (Pressure Apply) (12g C02)
•M16 AP Landmine (Tripwire) (12g C02)
•Drop-fire Mortar Launch Tube
•Rounds-Drop-fire Mortar (12g C02)
•Tools, Consumables
•Select legacy devices

Type: New Equipment Training (NET), Safety Training
Platform: I.E.D Simulators, Non-Pyro
Format: Classroom, Hands-On
Certificate Provided? Yes
Hardcopy Textbook Provided? Yes
Location: Customer Specified, CONUS
Duration: 4 hours
Min Class Size: 1 person
Max Class Size: 6 people

Basic Operator Course (English)

Small I.E.D

COURSE ID #: ONST-19-NET-BO-SIED

This beginner course will teach setup, employment, and trouble-shooting for small I.E.D devices and triggers (12g C02 platform).
Applies to the following Simulation Equipment:
•Pressure Applied/Release Detonator (12g C02)
•Multifunction Detonator/ Tripwire/Command (12g C02)
•Tripwire Pipebomb (12g C02)
•Magnetic Squibs (12g C02)
•Person-borne I.E.D (Suicide Vest) (12g C02)
•Simulator Accessories: Daisy Chain, Non-lethal marking rounds, VISMODS
•Tools, Consumables
•Select legacy devices

Type: New Equipment Training (NET), Safety Training
Platform: I.E.D Simulators, Non-Pyro
Format: Classroom, Hands-On
Certificate Provided? Yes
Hardcopy Textbook Provided? Yes
Location: Tillsonburg, ON
Duration: 8 hours
Min Class Size: 1 person
Max Class Size: 6 people

Basic Operator Course (English)

Medium/Large I.E.D

COURSE ID # ONST-19-NET-BO-LIED

This intermediate course will teach setup, employment, and trouble-shooting for medium and large I.E.D devices and triggers (Refillable HPA).
Applies to the following Simulation Equipment:
•Medium/Large I.E.D Simulators (Refillable HPA)
•Vehicle Borne-I.E.D Sim (Refillable HPA)
•Buriable I.E.D Sim (E4) (Refillable HPA)
•Triggers- Pressure Applied/Release, Tripwire, Command Det
•Triggers- Electronic (RF, Victim Operated)
•Tubes, Actuators, Directional Heads, Spray Assemblies
•Accessories: VISMODs, Non-Lethal Marking Rounds, Flash FX
•Quad Quick-fill Station (Air Compressor Recharge)
•Tools,Consumables

Type: New Equipment Training (NET), Safety Training
Platform: I.E.D Simulators, Non-Pyro
Format: Classroom, Hands-On
Certificate Provided? Yes
Hardcopy Textbook Provided? Yes
Location: Tillsonburg, ON
Duration: 8 hours
Min Class Size: 1 person
Max Class Size: 6 people

Basic Operator Course (English)

Hand/Stun Grenade Sim

COURSE ID # ONST-19-NET-BO-HGDD

This beginner course will teach setup, employment, and troubleshooting for Frag Grenade Sim and Distraction Devices. Applicable to both 12g C02 platforms and refillable High Pressure Air (HPA) devices.
Applies to the following Simulation Equipment:
•Distraction Device/DD-SIM (12g C02)
•Distraction Device 2/ DD-SIM 2 (12g C02)
•M67/C-13 Frag Grenade Sim (Refillable HPA)
•Quad Quick-fill Station (Air Compressor)
•Tools, Consumables

Type: New Equipment Training (NET), Safety Training
Platform: Hand/Stun Grenade Sim, Non-Pyro
Format: Classroom, Hands-On
Certificate Provided? Yes
Hardcopy Textbook Provided? Yes
Location: Tillsonburg, ON
Duration: 4 hours
Min Class Size: 1 person
Max Class Size: 6 people

Medical Simulator
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