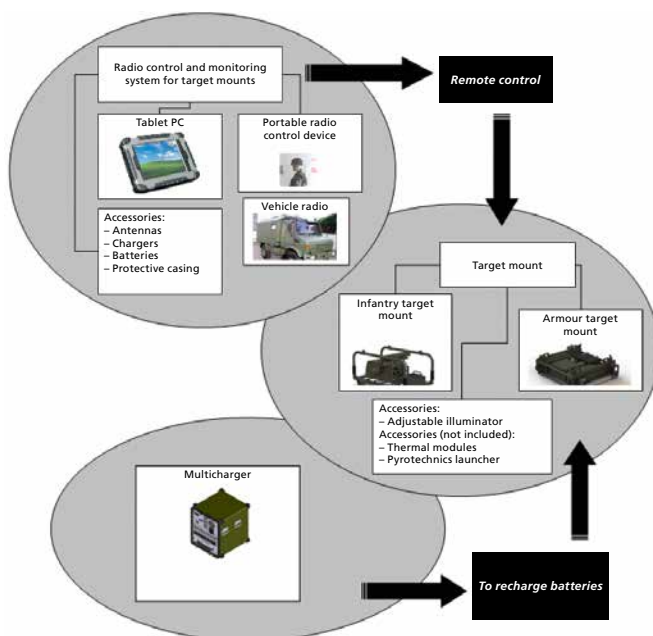


Live-fire training – with our compact armour and infantry targets



Live-fire exercises are a key aspect of soldier training. Our pop-up targets provide you with a simple and robust tool for successful live-fire training.



Pop-up target system architecture

RUAG pop-up targets are suitable for live-fire training with a wide range of calibres – from pistols to tanks.

A trainer remotely operates and monitors up to 250 pop-up targets on the firing range from a safe distance.

Your benefits at a glance

- Intuitive tablet interface
- Light weight (infantry target: 23 kg, armour target: 70 kg)
- Range: 3,000 metres
- Quick to set up
- Removable batteries
- Easy to control
- Service time: 48 hours

Infantry pop-up target



Infantry pop-up target

Technical data

Weight: 23 kg with arm and clamp dimensions

(L x H x W): 662 x 380 x 401 mm

Mechanical properties

- The infantry pop-up target arm has 3 movable joints for the following motions:
 - Pop up/down (simple mode)
 - Rotate (friend/foe identification option)
 - Scissor movements
 - Swivel movements (with extension arm) from left or right
- The clamp is designed for:
 - Metal targets (1.5 mm thickness)
 - Plastic or plywood targets (max. 10 mm thickness)
- The pop-up target can withstand impacts from 5.56 mm to 12.7 mm calibre rounds.

Power supply

- NiCd 12V 8Ah battery
- The battery can be inserted and removed by hand

System properties

- Swivel (up/down) and scissor cycles performed in under 2 seconds.
- Battery life of pop-up target at 20 °C (full battery):
 - 200 swivel cycles (up/down) with 1.5 mm thick metal target
- Weather operating conditions:
 - Outside temperature: between –25 °C and +60 °C
 - Relative humidity: < 90 % up to 40 °C
 - IP68 under specific conditions: Submersion in 10 cm of water for 8 hours
 - Rotation cycle at wind speeds of up to 50 kmph

Use of the infantry pop-up target



Up/down motion of the infantry pop-up target



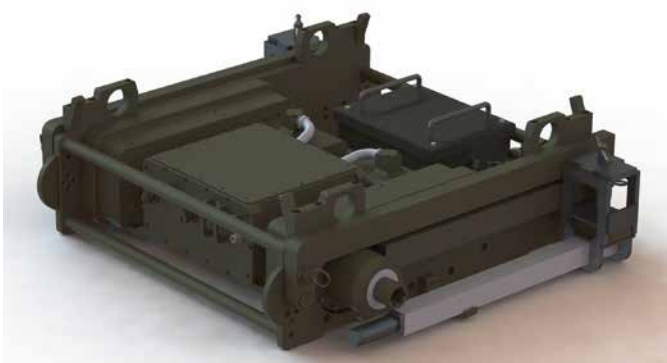
Swivel motion of the infantry pop-up target



Rotation motion of the infantry pop-up target

Up to 5 devices can be stacked on top of one another for storage and transport.

Armour pop-up target



Armour pop-up targets in storage position

Technical data

Mechanical properties

- The armour pop-up target arms are only designed for swivel motions
- The clamp is designed for plywood pop-up targets measuring 3 m x 2 m
- The armour pop-up target is suitable for small and medium calibre rounds (9 mm auxiliary barrel, 12.7 mm machine gun, and 20 mm to 120 mm cannons)

System properties

- Swivel (up/down) cycles are performed in under 3.5 seconds
- Battery life of pop-up target at 20 °C (full battery):
 - 100 swivel cycles (up/down) with 5 mm thick plywood targets measuring 3 m x 2 m
- Weather operating conditions:
 - Outside temperature between -25 °C and +60 °C
 - Relative humidity: < 90 % up to 40 °C
 - IP68 under specific conditions: Submersion in 10 cm of water
 - Wind speeds of up to 40 kmph with plywood pop-up targets measuring 3 m x 2 m

Use of the armour pop-up target



Armour pop-up targets stacked for storage, viewed from the side



Armour pop-up target ready to be loaded



Loaded armour pop-up target in position

Tank pop-up targets can be stacked on top of one another for storage and transport (up to 3).

Control and monitoring system operator device for trainers



Operator device for trainers

Technical data

Weight: 1.4 kg

Dimensions (L x H x W): 314 x 207 x 24.5 mm

Power supply

- Battery life: 12 hours of continuous use

Radio frequency (connection with radio control device)

- Sender/receiver: Bluetooth class 1
- Range in open terrain: 10 m

System information

- Operating system: Microsoft Windows 7 or 8
- Touchscreen 11.6" TFT LCD HD (1366 x 768)

Operator device functions for trainers

- Configuration of pop-up target
- Control in "group mode"
- Preparing, executing and saving scenarios
- Executing programmed or manual pop-up target cycles
- Reading, printing and saving shooting results
- Importing results and scenarios via an external data carrier (USB stick)
- Reading information necessary for the maintenance of pop-up targets
- Preparing scenarios on a tablet