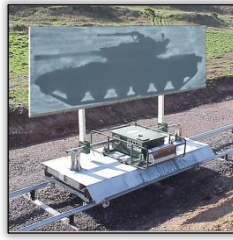




MOVING ARMOUR TARGET (ADVANCED POPUP) TYPE 251-101

Precision Shooting for Armour Targets



MOVING ARMOUR TARGET (ADVANCED POPUP) TYPE 251-101

The MSI Advanced Popup Moving Armour Target is a multifunctional system that builds the awareness and responsiveness that is necessary in today's changing live-fire environment.

Since modern arms with computerized Gun Fire Control Systems require full size target silhouettes, this assembly is the

perfect choice for these types of live-fire engagements. The rugged and durable characteristics of the system complement the advanced and powerful lifting mechanism. Various target movements and speeds are possible, whilst the system raises tank targets up to a 7m (23ft) x 3.5m (11.5ft), making the Moving Armour Target versatile as well as reliable.

All of these features are accomplished with extraordinary energy efficiency and reliability, making it an essential component of any modern training facility.

ADVANCED AND POWERFUL

Long-lasting and Robust Operation:

- Finest Materials
- Outstanding Performance
- Usable in difficult environmental conditions



Efficient and Optimised System:

- Energy efficient
- Optimal hit sensing
- Centrally-controlled speed

Time and Effort Saving:

- Trouble free functionality
- Modular concept
- Immediate performance feedback



HARDWARE

- **Modular concept** consists in its standard configuration of the drive unit and an armour target mechanism mounted on a rail-guided, cable-pulled, or self-propelled target carriage.
- **Flexible construction** can accommodate curved set-up and elevation differences in the terrain.
- **Wind-resistant rail system** allows operation at high wind speeds up to 35mph without degradation or capsizing. Trouble free functionality is also guaranteed under difficult environmental conditions such as high snow.
- **Handheld controller** can be used to operate the system, enabling communication and immediate performance feedback over long distances depending on customer's radio frequency and geographic conditions.
- **Diversified scenarios** can be programmed to run, as the controller handles the operation of target appliances individually or in groups.
- **Range control system** can operate all target systems instead. This can be hardwired or radio linked, simultaneously providing details of each single target mechanism and a supreme overview of the whole scenario.
- **Docking station** provides the required network connection to the central control system and the connections to power / recharge the movers and associated equipment.
- **Power distribution** to all devices attached to, or located on, the mover carriage is provided by the moving target system.
- **Speed** is controlled via the central control system. The mover is capable of reaching each speed within 100m, and can be stopped at different firing distances from each speed within 20m.
- **Automatic parking brake** on the moving device holds the carrier in place.
- **Contact hit sensor** records the hits of all calibres of live-fire ammunition. It has a remote sensitivity adjustment to record hits of training ammunition.
- **Built-In-Test status identification**, an initial status information, and operational status feedback is provided to the central control console.
- **Audible warning indicator** signals impending movement. The devices have fail-safe features for safety of personnel during installation, operation, maintenance, testing, support activities, and disposal.

SPECIFICATION

CONFIGURATIONS	
Installation	Fixed-installed or Portable
Power Supply	Landline-connected and/or Battery-powered
Power	As required
Communication	Hardwired or Radio-controlled
HIT SENSING	
Hit Detection	Contact Hit Sensor
Hit Frequency	Up to 1200rpm
Firing Modes	Single / Burst
TARGET PRESENTATION	
Modes of Operation	Moving, Pop-up
Time to Expose*	5-7 s (adjustable)
Time to Retreat*	5-7 s (adjustable)
*May vary depending on customer requirements and target dimensions	
MOVING MECHANISM	
Speed	Up to 30mph

Speed Control	Digital in steps in 1mph (or as required)
Track Length	Variable up to 300m
ENVIRONMENT	
Operating Temperature	-30°C - +72°C [-22°F - +161.6°F]
Enclosure Type	IP 67
DIMENSIONS	
L x W x H (Drive Unit)	2330mm x 1300mm x 980mm [91.7in x 52.4in x 38.6in]
L x W (Trolley)	3100mm x 1285mm [122.0in x 50.6in]

Additional Equipment

- Ballistic Shield
- Enemy Fire Simulators (Pyro & Non-Pyro)
- LOMAH Sensor System
- Muzzle Flash Simulator
- Solar Panels
- Target Illumination Unit
- Thermal Target Adaptor

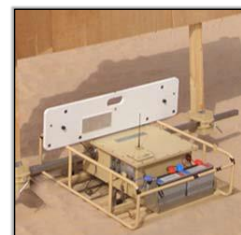
USED WITH



Battle Effects Simulator (BATES) Type 220-221



Muzzle Flash Simulator Type 223-001



Location of Miss and Hit (LOMAH) Type 240-241

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ISO 9001 SCS cert. No. 980010
251-101-movingarmourtarget-advancedpopup - Jul-17

The information in this document is correct at the stated time. MS Instruments Ltd has a policy of continuing development and reserves the right to make design changes/improvements to the products.