



BATTLE EFFECTS SIMULATOR (BATES) TYPE 221-001

For Realistic, Dynamic Training



BATTLE EFFECTS SIMULATOR (BATES) TYPE 221-001

The MSI Battle Effects Simulator (BATES) realistically creates the visual and acoustical impression of hostile fire and own hits on enemy targets.

BATES provides trainees and experienced shooters alike with a cost-effective and realistic training environment, and creates the stressful situations similar to the experience in battle. The robust and weatherproof design ensures continuously reliable performance under difficult environmental conditions such as high snow and wind load.

The system operates as a standalone unit, and can also be interfaced with other targetry mechanisms. MSI design assures outstanding performance and usability, making BATES ideal for all training requirements.

COST-EFFECTIVE AND REALISTIC

SPECIFICATION

| CONFIGURATIONS | |
|--------------------------------------|--------------------------------------|
| Installation | Fixed-installed or deployable |
| Power Supply | Hardwired or Battery-powered |
| Communication | Hardwired or Radio-controlled |
| Effects | Bang, Smoke, Star signals |
| Cartridges | L1a1, M20, M31 A1, DIFCUE |
| POWER | |
| Power | 12 VDC or 110 VAC / 230 VAC |
| *Other voltages available on request | |
| ENVIRONMENT | |
| Operating Temperature | -25°C - +72°C [13 °F - 161.6 °F] |
| Enclosure Type | IP 67 |
| DIMENSIONS | |
| L x W | 350mm x 280mm [13.78in x 11.02in] |

HARDWARE

- Various pyrotechnical cartridges provide battle effects similar to explosions, medium and large calibre gunfire, artillery, mortars, smoke, smoke signals, and star signals.
- Long lasting smoke effects in various colours are mainly used to simulate the hit on a hostile vehicle.
- Up to 25 cartridges in standard configuration, with other configurations available on request.
- Control is remote through range control units.
- Multiple BATES can be used in one location, as the system infrastructure has been built in a way that every unit can operate as a primary or as a secondary.
- No site preparation is necessary or required to emplace the system, provided that the simulator is protected from direct fire and ricochets.
- Location can be altered without the need for infrastructure adaptations.

USED WITH



Location of Miss and Hit (LOMAH)
Type 240 – 243



Stationary Armour Target (SAT)
Type 280 – 281



Stationary Infantry Target (SIT)
Type 282 - 287

MS Instruments Ltd.

Unit 4, Ravensquay Business Centre, Cray Avenue
Orpington, Kent, BR5 4BQ, United Kingdom
Tel: +44 (0)1689 883 020
Fax: +44 (0)1689 871 392
contact@msinstruments.co.uk
www.msinstruments.co.uk

ISO 9001 SCS cert. No. 980010
221-001-bates - 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.