



# BATTLE EFFECTS SIMULATOR (BATES) [NON-PYRO] TYPE 220-001

*For Realistic, Dynamic Training*



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The MSI Non-Pyrotechnical Battles Effects Simulator realistically creates acoustical and visual battle effects for training purposes.

BATES provides trainees and experienced shooters alike with a cost-effective and realistic training environment. 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

### HARDWARE

- **Acoustical impressions** of a tank, anti-tank weapon, or hostile fire weapon system.
- **Visual impression** of a hit or a kill is replicated by creating a cloud of smoke; several modes of discharge are available to suit the desired effect.
- **Impression of counter enemy fire** is created by discharging a loud main gun bang and gun smoke.
- **Smoke generated** by the system is a non-poisonous and non-pyrotechnical harmless fog to humans and the environment.
- **Control** is remote through the range control units.
- **Event triggers** based on engagement criteria.
- **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.

### SPECIFICATION

CONFIGURATIONS	
Installation	Fix-installed or Deployable
Power Supply	Hardwired or Battery-powered
Communication	Hardwired or Radio-controlled
Effects	Smoke, Sound
Sounds	Battle Tank Weapon & Anti-Tank Weapon
POWER	
Power	12 VDC or 110 VAC / 230 VAC, others on request
Power Supply	Hardwired, others on request
Max Output	70 dB to 130 dB at 1m
ENVIRONMENT	
Operating Temperature	-25°C - +72°C [-13 °F - +161.6 °F]
Enclosure Type	IP 67
DIMENSIONS	
L x W x H	1000mm x 700mm x 440mm [39.4in x 27.6in x 17.3in]

### USED WITH



*Location of Miss and Hit (LOMAH)  
Type 240 - 243*



*Stationary Advanced Target (SAT)  
Type 280 - 281*



*Stationary Infantry Target (SIT)  
Type 282 - 287*

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ISO 9001 SCS cert. No. 980010  
220-001-bates-non-pyro - Jul-17

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