



*For Realistic, Dynamic Training*



## LASER ENGAGEMENT RECEIVER TYPE 222-001

The MSI Laser Engagement Receiver is a training sub-system providing realistic battlefield environment for soldiers involved in training exercises using eye safe lasers.

Laser transmitters are attached to each individual and vehicle weapon system, and accurately replicate actual ranges and lethality of the specific weapon systems. The receiver is an adapter to existing MSI targetry equipment, and has been developed to communicate and interact with laser engagement emitters such as MILES 2000, Saab BT 46, and alternative systems.

This system consists of a laser sensor unit (LSU) with a retro reflector and a laser decoder unit (LDU). According to the dimensions and armour of the equipped target various target templates can be chosen to allow appropriate reaction.

This versatile and realistic unit is a helpful addition to the range, bringing life-like precision to training scenarios.

## VERSATILE AND REALISTIC

### THEORY OF OPERATION

- Individual information is transmitted in a laser beam and received by the Laser Engagement Receiver attached to a MSI target mechanism.
- Laser beam hits a detector, and the LDU records a kill or a near miss and its coordinates, depending on the type of weapon.
- MSI Laser Engagement Receivers are sensitive to the source of fire. For example, the laser beam simulating a soldier firing an M16 rifle will not register on a receiver mounted to a target silhouette of an armoured vehicle.

### SPECIFICATION

POWER	
Power	9 – 36 VDC from Target Controller
Power Supply	Battery or Mains supply
Supported Systems	MILES 2000, OSAG Code (e.g. Saab BT 46), other instrumented laser target systems
ENVIRONMENT	
Operating Temperature	-20°C - +55°C [-4 °F - +131 °F]
Enclosure Type	IP 65
DIMENSIONS	
L x W x H (LSU)	235mm x 80mm x 80mm [9.25in x 3.15in x 3.15in]
L x W x H (LDU)	195mm x 120mm x 44mm [7.68in x 4.72in x 1.73in]

### USED WITH



*Battle Effects Simulator (BATES)  
Type 220 - 221*



*Stationary Armour Target (SAT)  
Type 280 – 281*



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

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