

KNOW BEFORE YOU GO™

Providing confidence and reliability through total spectrum test and training solutions.

TEXTRON Systems



Man-Portable ASE System Trainer (MAST)

Part Number: 40390 10002-10

Specifications subject to change without notice.



After-action review.

AAI Corporation's MAST is a cost-effective, man-portable aircraft survivability equipment (ASE) system trainer utilizing commercial, off-the-shelf (COTS) components. The optical simulator incorporates a light-emitting diode (LED) array for accurate stimulation. As a result, the MAST system accurately replicates the visual effects of an ultraviolet (UV) threat-based weapon to stimulate ASE systems for more realistic training events. The MAST system can stimulate the AAR-47, AAR-54, AAR-57 and AAR-60 missile warning systems (MWS) utilized by the U.S. Army, Navy and Air Force.

The MAST system takes full advantage of AAI's proven experience in ASE training, flight line testing, and long-range electro-optic/infrared (EO/IR) test and training solutions. It is based on two of the company's most trusted systems — the Baringa stimulator, a flight line confidence test set and systems integration laboratory tool; and the UV Mallina, a long-range UV MWS stimulator. These products are developed, manufactured and supported by AAI within the United States, and internationally by the company's U.K.-headquartered strategic business, ESL Defence Limited.

Specifications

Mode of operation:	<ul style="list-style-type: none">■ Shoulder-fired IR and UV surface-to-air threats■ Replicates the visual effects of actual threats (UV, IR, and laser search)
Range:	<ul style="list-style-type: none">■ Stimulates MWS at ranges from 0.5-5 kilometers
System architecture:	<ul style="list-style-type: none">■ Multiple LED emitter■ COTS, detachable day/night recording capability for after-action review and playback■ Ergonomic controls■ Integrated Virtual Seeker to replicate the difficulty of acquiring and launching a man-portable air defense system■ Instrumentation to provide global positioning system (GPS) coordinates, azimuth and degree-from-horizontal during launch sequence
Compatibility:	<ul style="list-style-type: none">■ U.S. Army's multiple integrated laser engagement system, air-ground engagement system and tactical engagement system■ Stimulates AAR-47, AAR-54, AAR-57 and AAR-60 MWS
Ease of programmability:	<ul style="list-style-type: none">■ Easily reprogrammable and reconfigurable threat scenarios■ Acquisition times and lethality settings obtained through the GPS and optional radio frequency link to the aircraft
Transportability:	<ul style="list-style-type: none">■ Self-contained and man-portable
Weight:	<ul style="list-style-type: none">■ Less than 35 pounds
Power/charging:	<ul style="list-style-type: none">■ Onboard battery (power supply)■ Up to eight hours of power without recharging
Environment:	<ul style="list-style-type: none">■ Military standard, or MIL STD, 810F■ Army Regulation 70-38

For information please contact:

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