



MAN-PORTABLE AIRCRAFT SURVIVABILITY TRAINER (MAST™)

The Man-Portable Aircraft Survivability Trainer (MAST) is designed to deliver threat stimulation of missile warning systems, replicating the UV effects of surface-to-air missiles. MAST offers day/night video recording for after-action review to support pilot capability building and technique development. MAST can simulate the AAR-47, -54, -57 and -60 missile warning systems utilized by the U.S. Army, U.S. Navy, U.S. Air Force and allied forces.

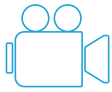
MAST utilizes commercial-off-the-shelf (COTS) components. The optical simulator incorporates a light-emitting diode (LED) array for accurate stimulation. Its integrated virtual seeker replicates the difficulty of acquiring and launching a man-portable air defense system.

TEXTRON Systems

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MAN-PORTABLE AIRCRAFT SURVIVABILITY TRAINER (MAST)

SPECIFICATIONS



After Action Video Capability
Day/night recording for review and playback



Configuration
Trainer stimulates AAR-47, -54, -57 and -60 MWS



Power
Onboard battery
Up to 8 hr per charge



Transportability
Self contained and man portable



Gross weight
Less than 35 lb



Range
0.5-5 km



The MAST system records video of the training event for after-action review and playback.

SYSTEM ARCHITECTURE

- Multiple LED emitter
- Integrated Virtual Seeker to replicate the difficulty of acquiring and launching a man-portable air defense system
- 3rd generation FLIR technology

COMPATIBILITY

- U.S. Army's multiple integrated laser engagement system, air-ground engagement system and tactical engagement system
- Stimulates AAR-47, -54, -57 and -60 MWS

MODE OF OPERATION

- Shoulder-fired infrared surface-to-air threats
- Replicates the visual effects of actual threats (UV)

TRAIN LIKE YOU FIGHT

MAST is designed, engineered and supported by the proven experience of Textron Systems. We are industry leaders in aircraft survivability equipment training, flight-line testing and long-range EO/IR test & training solutions. MAST features GPS instrumentation to provide coordinates, azimuths and degrees-from-horizontal measurements during a launch sequence.



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