MSTS™
MULTI-SPECTRAL TEST SET

TEST, TRAINING & SIMULATION

GO/NO-GO TESTING

Following more than 25 years of individual flight-line test equipment designs (> 2,000 test sets in 19 different countries), Textron Systems now offers a combined test set that provides an integrated solution for all flight line stimulation requirements. The user definable MSTS provides multiple threat and detection channels to enable comprehensive testing of modern multi sensor electro-optic/infrared (EO/IR) aircraft survivability equipment (ASE) designs. Threats may be individual, sequential or staggered to offer realistic test requirements. The MSTS offers the user a choice of UV, 2 color IR, Laser (LBR, LTD, LRF) and IR detection to cover the complete gamut of today's EO/IR and DIRCM threat environment. By integrating the highly effective threat emitters into a compact and easily portable design, it offers a single cost-effective solution for post maintenance, pre-mission and development requirements. To complement the MSTS, Textron Systems offers a newly designed software suite, Test Program Generator (TPG), to allow a user full threat development, loading, remote control and firing capabilities.

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TEXTRON Systems

▶ PUSHING PAST POSSIBLE

MULTI-SPECTRAL TEST SET (MSTS)

SYSTEM PERFORMANCE

TYPICAL OPERATING RANGE
5 m - 100 m (configuration dependent) 5 m - 30 m (typical)

EXTERNAL CONNECTION
Serial port providing ethernet and remote trigger

MOUNTING CONFIGURATION
Handheld or monopod/tripod (not supplied)

POWER
Removable lithium rechargeable battery 12 VDC external input

DIMENSIONS
225 (w) x 190 (H) x 300 (L) mm (excluding handle)

MEMORY MEDIA TYPE
Removable Memory Media

GUI USER INTERFACE
Sunlight readable LCD display

NUMBER OF TEST PROFILE LIBRARIES
> 100

MAXIMUM PROFILE LENGTH
32 sec

AIMING
Optical sight with optional IR sight

BATTERY LIFE
> 200 engagement operations

STANDARD COLOR
NATO green

WEIGHT
< 4 kg/9 lb

LABORATORY, DEPOT, AND FLIGHT-LINE TESTING

> Combined EO/IR Emitters/ Detection

> Simultaneous, individual, or sequential ASE test emissions

> Upgradable functions from baseline purchase

> End-to-end DIRCM confidence test
  - Jam code & irradiance

> UV and IR Missile Warning System test
  - Hostile fire muzzle flash and missile plume

> Laser Warning Receiver test
  - 0.905 and 1.54 microns
  - Laser Range Finder, Laser Designator and Laser Beam Rider

> IR Jammer