

# MSTS™

## MULTI-SPECTRAL TEST SET



Part Numbers:  
 EU04066-02-FG (MSTS UD)  
 EU04232-01-FG (MSTS UDL)  
 EU03755-02-FG (MSTS UL)  
 EU04618-01-FG (MSTS UI3L)  
 EU04651-01-FG (MSTS UI3DL)  
 EU04651-02-FG (MSTS UI3DL)

### 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 Electronic Systems (TSES) 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 colour 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, TSES offers a newly designed software suite, Test Program Generator (TPG), to allow a user full threat development, loading, remote control and firing capabilities.

[TextronSystems.com](http://TextronSystems.com)



**TEXTRON** Systems

► PUSHING PAST POSSIBLE

# MULTI-SPECTRAL TEST SET (MSTS)

## SYSTEM PERFORMANCE



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



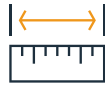
**EXTERNAL CONNECTION**  
Serial port providing ethernet and remote trigger



**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