

GTESS GROUND THREAT EMITTER SENSOR SYSTEM



TRAINING & SIMULATION

OPEN RANGE TRAINING AND TEST & EVALUATION TOOL

Textron Systems is a world leader in the development and supply of Ultra Violet/Infrared (UV/IR) threat emitters, including the UV LED Mallina and the IR Phoenix. These threat emitters are deployed by military organizations on open ranges to perform test and evaluation and training exercises of aircraft survivability equipment. Textron Systems has developed an automated tracking system to provide repeatability and accurate stimulation and measurement associated with complex or fast-moving test and evaluation exercises. A robust tracking system has the further advantage of supporting a larger payload that can include a broad range of calibration and recording equipment, as well as multiple stimulators and sensors.

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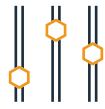


TEXTRON Systems

► PUSHING PAST POSSIBLE

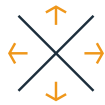
GROUND THREAT EMITTER SENSOR SYSTEM

SYSTEM PERFORMANCE



NUMBER OF TEST PROFILES

8, plus visual BIT and Calibrated profile



AZIMUTH TRAVEL

$\pm 135^\circ$



ELEVATION TRAVEL

-30° to $+80^\circ$



MINIMUM TRACKING RANGE

(3x3 m target)
< 0.5 km



MEMORY MEDIA TYPE

Easily accessible internal memory card



PAYLOAD ALIGNMENT ACCURACY

Better than 0.25 mrad and repeatable with quick release mechanism



AIMING

Iron sight



REMOTE CONTROL CONNECTION

RS 232/422 serial port



POWER

Internal rechargeable battery



USER INTERFACE

Switches, indicators and trigger switch and GUI

ENVIRONMENTAL



OPERATING TEMPERATURE

Pedestal system: -20°C to $+55^\circ\text{C}$, 100% RH



STORAGE TEMPERATURE

Pedestal system: -40°C to $+71^\circ\text{C}$



SAFETY

CE marked



OPERATIONAL RUGGEDNESS (RESISTANT TO)

- > Up to 4 mm/hr of rainfall
- > Winds up to 20 kts
- > Salt fog
- > Dust
- > Solar radiation

GTESS CAN BE PROVIDED WITH A COMBINATION OF DIFFERENT PAYLOADS INCLUDING, BUT NOT LIMITED TO:

- > UV stimulator (UV LED Mallina™)
- > IR stimulator (Phoenix single and two color options)
- > Phantom™ Laser Threat Emitter
- > IR target source and detector for DIRCM (IRM-16)
- > Laser range finder (Mallina LRF or third party options)
- > Visible camera (for recording and/or tracking)
- > MWIR camera (for recording and/or tracking)
- > LWIR camera (for recording and/or tracking)
- > Video recording/data logger/event recorder
- > Remote control