

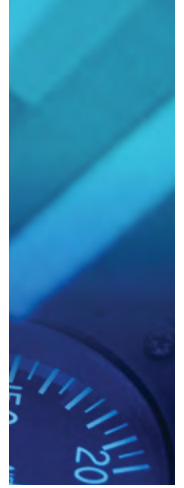
TEST, TRAINING & SIMULATION

# GTESS

## GROUND THREAT EMITTER SENSOR SYSTEM

### OPEN RANGE TRAINING AND TEST & EVALUATION TOOL

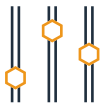
Textron Systems is a world leader in the development and supply of Ultra Violet/Infrared (UV/IR) threat emitters, including the UV LED Mallina and the IR Phoenix. These threat emitters are deployed by military organizations on open ranges to perform test and evaluation and training exercises of aircraft 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.



# A ROBUST TRACKING SYSTEM

## GROUND THREAT EMITTER SENSOR SYSTEM

### SYSTEM PERFORMANCE



**NUMBER OF TEST PROFILES**  
8, plus visual BIT and Calibrated profile



**PAYLOAD ALIGNMENT ACCURACY**  
Better than 0.25 mrad and repeatable with quick release mechanism



**MINIMUM TRACKING RANGE**  
(3x3 m target)  
< 0.5 km



**AZIMUTH TRAVEL**  
±135°



**AIMING**  
Iron sight



**POWER**  
Internal rechargeable battery



**ELEVATION TRAVEL**  
-30° to +80°



**REMOTE CONTROL CONNECTION**  
RS 232/422 serial port



**USER INTERFACE**  
Switches, indicators and trigger switch and GUI



**MEMORY MEDIA TYPE**  
Easily accessible internal memory card

### ENVIRONMENTAL



**OPERATING TEMPERATURE**  
Pedestal system: -20° C to +55° C,  
100% RH



**OPERATIONAL RUGGEDNESS (RESISTANT TO)**

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



**SAFETY**  
CE marked



**STORAGE TEMPERATURE**  
Pedestal system: -40° C to +71° C

### 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

**CONTACT US**

+1.800.655.2616  
Hunt Valley, MD

es.textronsystems.com



**SCAN FOR  
PRODUCT DETAILS**

