

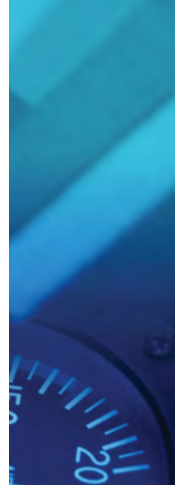
TEST, TRAINING & SIMULATION

# UV LED MALLINA™

-180

## OPEN RANGE TRAINING AND TEST & EVALUATION TOOL

The Ultraviolet (UV) Light-Emitting Diode (LED) Mallina-180 is a medium-to long-range electro-optical (EO) system designed to stimulate UV Missile Warning Systems (MWS) such as AN/AAR-47, -54, -57 (CMWS), -60 (MILDS) and MAWS 200/300. A ruggedized, military specification (MIL-SPEC) system, the Mallina can be used as an independent or remotely controlled EO threat simulator or as an adjunct to an existing radio frequency (RF) threat emitter platform. Mallina can be operated from typical stand-off ranges of 500 m to 7 km.



Part Number: EU02173-01-FG

# UV LED MALLINA-180

## OPERATED REMOTELY

The Mallina is a development and operational test and evaluation tool, as well as a training aid for aircraft military vehicle and ship missile defense systems. Mallina can be operated remotely using a communication serial data bus or mounted on a tripod, and is sufficiently rugged for vehicle mounting and operation.

### SYSTEM PERFORMANCE



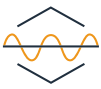
**TYPICAL OPERATING RANGE**  
500 m to 7 km



**NUMBER OF PROGRAMS PER REMOVABLE MEDIA**  
99



**BATTERY LIFE**  
> 200 engagement operations



**UV WAVELENGTHS**  
Solar blind



**USER INTERFACE**  
LED display and push buttons



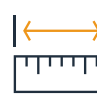
**WEIGHT**  
<15 kg



**MAXIMUM PEAK-PULSE**  
On-Axis Radiant Powers  
7.5 W.sr<sup>-1</sup> -



**AIMING**  
Day or thermal night sight



**APPROXIMATE DIMENSIONS**  
250 (W) x 250 (H) x  
500 (L) mm



**MAXIMUM PROFILE LENGTH**  
32 sec at 6 KHz



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



**MOUNTING CONFIGURATION**  
Tripod or ground trackers



**MEMORY MEDIA TYPE**  
Quick release PCMCIA card



**POWER**  
Internal or external optional power supplies



**STANDARD COLOR**  
NATO green



**TYPICAL BEAM DIVERGENCE**  
5 deg (half power)

### PROVIDING CONFIDENCE AND RELIABILITY THROUGH TOTAL SPECTRUM TEST AND TRAINING SOLUTIONS

- > Allows crew trainees to train at night, with and without night vision goggles
- > Provides near instantaneous modulation of any depth for hostile fire (muzzle flash) and missile plume simulation
- > Flexible power supply via an internal battery or external direct current (DC) sources from 10 to 60 volts
- > Can be configured in a Mallina Suite of ancillary equipment to enhance operational effectiveness and to stimulate and record multi-spectral defense systems, e.g. Directed Infrared Countermeasure (DIRCM) systems
- > A Mallina Suite can be supplied as an integrated payload for an existing tracking system or as a complete manual or remote Ground Tracking Emitter and Sensor System (GTESS)

CONTACT US

+1.800.655.2616  
Hunt Valley, MD

es.textronsystems.com



SCAN FOR  
PRODUCT DETAILS

