



Part Number: EU02173-01-FG

# 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. 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.

**TEXTRON** Systems

Electronic Systems

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# UV LED MALLINA-180

## 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



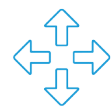
User Interface  
LED display and push  
buttons



Weight  
<15 kg



Maximum Peak-Pulse  
On-Axis Radiant Powers  
7.5 W.sr-1: -



Aiming  
Day or thermal night sight



Approximate Dimensions  
250 (W) x 250 (H) x 500 (L) mm



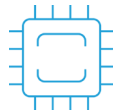
Maximum Profile Length  
32 sec at 6 KHz



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)

For information within the  
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