

PHANTOM™

-UL BEAM RIDER



TEST, TRAINING
& SIMULATION

OPEN RANGE TRAINING AND TEST & EVALUATION TOOL

To complement the existing Open Range EW Threat Emitters, Textron Systems now offers a Laser Threat Emitter that simulates Laser Warning Receivers (LWR) in order to train aircrew, as well as to test and evaluate an aircraft's defense systems against a Laser Beam Rider (LBR) threat. The Phantom-UL has been designed to provide both a laser threat and a synchronized temporal missile plume signature to simulate both the aircraft's laser and missile warning systems. Training aircrew to counter maneuver a LBR threat is considered essential to survival and in-air training. The Phantom-UL can be deployed either on a shoulder or tripod mount.

TextronSystems.com



TEXTRON Systems

► PUSHING PAST POSSIBLE

PHANTOM-UL BEAM RIDER

SYSTEM PERFORMANCE



OPERATING RANGE
0.5-5 km



WEIGHT
< 10 kg



BATTERY
Li-Ion (commercial-off-the-shelf) > 100 engagement operations



USER INTERFACE
Sunlight readable LCD with soft keys



STANDARD COLOR
NATO green



REMOVABLE MEMORY MEDIA TYPE
Quick release special-to-type USB



MAXIMUM PROFILE LENGTH
32 sec



SAFETY DISTANCE NOHD
25 m NOHD
215 m ENOHD



AIMING
Optical day or Thermal night sight (option)



APPROXIMATE DIMENSIONS
225 (W) x 580 (L) x 145 (H) mm



REMOTE CONTROL CONNECTION
Laptop via ethernet



LASER/UV WAVELENGTHS
0.905 microns
UV Solar blind



NUMBER OF PROGRAMS PER REMOVABLE MEDIA
> 100



MAXIMUM PEAK-PULSE ON-AXIS RADIANT POWERS
Laser: MW sr⁻¹
UV: W sr⁻¹



MOUNTING CONFIGURATION
Shoulder or tripod. Shoulder mount is included.

PROVIDING CONFIDENCE AND RELIABILITY THROUGH TOTAL SPECTRUM TEST AND TRAINING SOLUTIONS

- > Provides an essential training aid to platform crew to counter-maneuver against a laser threat
- > Realistic laser missile threat with provision of synchronized laser and missile plume simulations
- > Offers rapid deployment of threat during training exercises to maintain surprise to aircrew of threat position
- > Providing pre-mission confidence test of LWR and MWS while aircraft is airborne
- > Allows crew trainees to train at night, with and without night vision goggles
- > Threat library profiles compatible with most in-service LWR and ultraviolet MWS systems
- > Test Program Generator software available for programming of threat profiles and remote control of the Phantom
- > Power is supplied from an internal battery or external power supply
- > Can be configured in a MallinTM Suite of ancillary equipment to enhance operational effectiveness and to complete training of a Defense Aids Suite (DAS)