



Part Number: EU03660-01-FG

# PHANTOM™-UL BEAM RIDER

## OPEN RANGE TRAINING AND TEST & EVALUATION TOOL

To complement the existing Open Range EW Threat Emitters, Textron Systems Electronic 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.

**TEXTRON** Systems

Electronic Systems

124 Industry Lane, Hunt Valley, MD 21030 | 800.655.2616 | [electronicsystems@textronsystems.com](mailto:electronicsystems@textronsystems.com)  
[www.textronsystems.com/es](http://www.textronsystems.com/es)

# PHANTOM-UL BEAM RIDER

## SYSTEM PERFORMANCE



Typical Operating Range  
.5-5 km



Number of Programs per  
Removable Media  
> 100



Safety Distance NOHD  
25 m NOHD  
215 m ENOHD



Laser/UV Wavelengths  
0.905 microns  
1.064 microns  
1.550 microns



User Interface  
Sunlight readable LCD with  
soft keys



Weight  
<10 kg



Maximum Peak-Pulse  
On-Axis Radiant Powers  
Laser: 2 MW.sr-1 -  
UV: 2 W.sr



Aiming  
Day or thermal night sight



Approximate Dimensions  
225 (W) x 580 (L) x 145 (H) mm



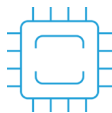
Maximum Profile Length  
32 sec



Remote Control Connection  
Laptop via ethernet



Mounting Configuration  
Shoulder or tripod. Shoulder  
mount is included.



Removable Memory Media Type  
Quick release special-to-type  
USB



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



Standard Color  
NATO green

## 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 Griffen™
- Power is supplied from an internal battery or external power supply
- Can be configured in a Mallina™ Suite of ancillary equipment to enhance operational effectiveness and to complete training of a Defense Aids Suite (DAS)

For information within the  
United States, please contact:  
Textron Systems Electronic Systems  
124 Industry Lane  
Hunt Valley, MD 21030  
1-800-655-2616 or 410-666-1400  
[electronicsystems@textronsystems.com](mailto:electronicsystems@textronsystems.com)

For information outside the  
United States, please contact:  
Textron Systems Electronic Systems UK  
16 Compass Point, Ensign Way  
Hamble, Southampton Hampshire SO31 4RA  
+(44) 2380455110  
[electronicsystems@textronsystems.com](mailto:electronicsystems@textronsystems.com)

**TEXTRON** Systems