

# IR PHOENIX



## OPEN RANGE TRAINING AND TEST & EVALUATION TOOL

The Infrared (IR) Laser Based Phoenix is a medium-to-long range electro-optical (EO) system designed to stimulate IR Missile Warning Systems such as Elix-IR, NGC IR NexGen, MIRAS and PAWS. A ruggedized, military specification (MIL-SPEC) system, the Phoenix 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. Phoenix can be operated from typical stand-off ranges of 0.5 to 5 km, subject to prevailing conditions and sensor performance. The Phoenix is also a development and operational test and evaluation tool, as well as a training aid for aircraft, military vehicles, and ships crew that operate missile defense systems. It can be operated remotely using a communication serial data bus or mounted on a tripod.

**TextronSystems.com**



**TEXTRON** Systems

► PUSHING PAST POSSIBLE

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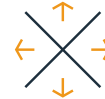
## SYSTEM PERFORMANCE



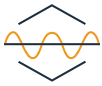
**OPERATING RANGE**  
3 km typical



**NUMBER OF  
PROGRAMS PER  
REMOVABLE MEDIA**  
99



**TYPICAL BEAM  
DIVERGENCE**  
1 deg or 3 deg (filter)



**IR WAVELENGTHS**  
"Red" (long wave);  
"Blue" (short wave).



**USER INTERFACE**  
LED display and push  
buttons and GUI



**WEIGHT**  
< 15 kg



**LASER BANDWIDTH**  
125 nm



**AIMING**  
Optical day sight or  
Thermal night sight  
(option)



**APPROXIMATE  
DIMENSIONS**  
250 (W) x 300 (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**  
Compatible with all  
Mallina™ accessories



**STANDARD COLOR**  
NATO green

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

- > Laser wavelengths available provided as separate red and blue IR Threat Emitters
- > Provides near instantaneous modulation of any depth for hostile fire (muzzle flash) and missile plume simulation.
- > Provided with an alignment tool for boresighting and aligning multiple emitters
- > Can be configured in a Mallina/Phoenix Suite of ancillary equipment to enhance operational effectiveness and stimulate and record multi-spectral defense systems, e.g. Directed Infrared Countermeasure (DIRCM) systems
- > Laser can be externally triggered to provide a laser source for DIRCM Jam Code development
- > A Phoenix 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)