

IR PHOENIX



TEST, TRAINING
& SIMULATION

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

IR PHOENIX

SYSTEM PERFORMANCE



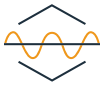
OPERATING RANGE
3 km typical



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



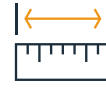
WEIGHT
< 15 kg



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)