

» SWTS

SWIR (Short Wave InfraRed) threat simulators

Distribution in the UK & Ireland



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The SWTS is a short to long-range electro-optical signature simulator for testing missile approach warning systems and training crew in the operation of these systems. It simulates the SWIR profile of an approaching missile, based on input parameters such as: engine's signature, atmospheric conditions, speed, distance and more.

» ENHANCEMENTS TO THE BASIC SYSTEM INCLUDE:

- ▶ The ability to synchronize between several SWTS , UVTS and IRTS to create a true multispectral simulation
- ▶ The ability to install and operate the SWTS from a moving platform (land or sea) to enable testing and training of fixed wing platforms and ground vehicles.
- ▶ Optional integrated radiometers to measure the UV/SWIR/IR countermeasure performance of the threatened platform
- ▶ Optional motorized pedestal with video tracker
- ▶ Multiple units working in sync to increase simulation range

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» FEATURES

- ▶ Manual operation (push buttons)
- ▶ Simulation of fast phenomena (eject and boost)
- ▶ Customized missile profiles
- ▶ Withstands field environmental condition•
- ▶ Installation by single operator
- ▶ Rugged and reliable

» SPECIFICATIONS

Specification	Value	Remarks
Wavelength	CWL: 1550nm, BW: ± 50 nm	
Temporal Resolution	10KHz	
Intensity levels	1000	linear uniform levels
Beam Shape	Circular: 10°	
Radiant Intensity(RI)	RI>16 W/Sr	
Profiles	Accepts shorts, medium & long distance profiles and custom test waveforms. Maximum duration of any profile is 15 seconds, Up to 11 profiles selectable via pushbutton control or wireless remote control	
Sequence operating mode	Manual, repeat, remote and test modes	Wireless Remote control (up to 300m) with profile selector and trigger.
User Interface	Pushbutton with LCD	External control and
Tripod Interface	1/4" and 3/8" screw interface	
Software	Windows compatible software for unit management	
Weight	23 lbs. (15 Kg)	Without case
Dimensions (HxWxD)	17.7 in.x14.7in.x2.75in. 45cm x 37.5cm x 7cm	
environmental	Waterproof: IP 66 Operating temperature: -20°C to +70°C. Storage: -40° to +80°C. Up to 95% Relative humidity	
safety	CLASS 1M	
Accessories	Profile generation software, Alignment viewfinder, direct sun protection hood, Pelican carrying case, and system manual	

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