

# MSS

Missile Signal Simulator



**ECI SYSTEMS**



# MSS

## Missile Signal Simulator

CI System's missile signal simulator, the **MSS**, tests the readiness and performance of Missile Warning Systems in the flight line, in regular routine, and close to takeoff. It does so by simulating the changes of the missile's IR radiation signature from launch through flight to a target. Designed to MIL standard requirements, the MSS withstands severe field environment conditions while maintaining its reliability and accuracy.

For ease-of-use, the operator chooses the simulated missile signature from previously uploaded files.

The MSS is delivered with a single or dual channel, with each channel simultaneously emitting at a different spectral band. The scenarios are emitted from the same optical exit. The scenarios are independent or can be related by a factor.

### FEATURES :

- ▶ Portable, compact and lightweight
- ▶ Fast and easy to operate
- ▶ Operates under field conditions
- ▶ Ambient temperature compensated
- ▶ Uniform background plate
- ▶ RS232 computer interface for maintenance, data transfer and lab setup
- ▶ Customized profiles
- ▶ User-friendly software

### SPECIFICATIONS :

▶ Wavelengths range	MWIR	single or dual related or non-related simultaneous spectral bands
▶ Source size	5 mm	
▶ Uniform background plate	40 mRd	
▶ Range to IRCM sensors	Up to 3 m	
▶ Controlled emitter radiance	$14 \frac{\text{mW}}{\text{sr} \cdot \mu\text{m}}$	
▶ Emission uniformity	90% @ $\pm 7.5^\circ$	
▶ Number of missile profiles	4	
▶ Profile repetition	$\pm 5\%$	
▶ Time resolution	5 mSec	
▶ Operation voltage	4.8 Vdc	
▶ Battery type	Rechargeable	
▶ Current	3.5 A	
▶ Dimension	220x230x100 mm	
▶ Weight	2.5 Kg	
▶ Environment conditions	-10° to +55°C	



Specifications are subject to change without prior notice

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