

missim – the only 4-in-1 solution for confidence testing self-protection systems



Accurate testing secures mission confidence. missim is the only 4-in-1 tester for fast and reliable pre-mission tests of air, land and sea electronic warfare (EW) suites.

Description

An innovative test solution for all self-protection sensors, missim **simulates radar, laser, guided missile and Hostile Fire Indication (HFI)** signatures to test a wide range of EW systems. It is fast and easy to use, allowing testing to be conducted anytime and anywhere.

Available in **any combination of the 4 emitter classes**, missim is extremely flexible. Choose from **1-in-1, 2-in-1, 3-in-1 and 4-in-1 options**, and upgrade anytime according to your requirements.

Testing with customisable scenarios, users receive a **go/no-go result** and **performance confirmation** of the EW system. Distance independent, missim automatically adjusts its signal strength according to the distance from the EW system's sensor.

missim's memory can be securely erased and sanitised within seconds if necessary, preventing your customised scenarios from falling into the wrong hands. An optional wired remote control enables multiple missim units to be accessed and operated from an external computer screen.

The missim set

The following components are included:

- missim (any combination of the 4 emitter classes)
- User manuals
- USB cable
- Programming tool (PC software)
- Rechargeable battery & charger
- Transport case

Optional:

- Wired remote control
- Additional battery pack
- Tripod
- Carrier belt



Testing a helicopter's EW system with missim



missim variants

**Together
ahead. RUAG**

Performance data

Radar	Frequency coverage	12 & 36 GHz
	Modulation	PRI: 5 μ s – 100 ms PW: 0.05 – 100 μ s or CW (12GHz)
Wideband Radar	Frequency coverage	1.5 – 18 GHz (adjustable in 1 MHz steps) & 36 GHz
	Modulation	CW (1.5 – 18 GHz), pulse, AM, FM, sweep
	Pulse range	PRI: 5 μ s – 100 ms PW: 0.05 – 50 μ s
Laser	Spectrum	525 / 905 / 1550 nm
	Laser class	Laser class 1, 2, 3R (eye safe at 25 cm / 10" distance)
	Modulation	PRI: 18 μ s – 2 s PW: 1 μ s – 10 ms (525 nm) PW: 10 ns – 100 ns (others)
Missile	Spectrum	UV (solar blind)
	Eye-safe	Yes, class 2
Hostile Fire Indication (HFI)	Spectrum	UV-C (solar blind)
	Profile programming	3 different calibres of ammunition available Scalable firing distance: 200 – 1,000 m
	Eye-safe	Yes, Class 2
Application Range	With distance compensation	0 – 20 m (66 ft)
Programmable emitters	Signatures (Radar, Laser, Missile, HFI)	255 each
	Scenarios	255



Benefits

- All-in-one solution: simulates radar, laser, missile & HFI threats
- Secure erasable memory: prevents custom scenarios from falling into the wrong hands
- Flexible application range: 0 – 20 metres (66 ft.)
- Automatic distance compensation: constant power density at the sensor
- EW system independent: simplifies logistics
- Complete, fast and uncomplicated testing
- Built-in self-test capability
- Convenient, stowable on-board equipment
- Wired remote control (optional): operate multiple missim from one computer
- User-friendly programming tool (PC-based; Windows XP or higher)
- One company license for all your missim units operated by wired remote control
- Software updates (optional) for functional improvements throughout life cycle

Compatibility

- EW- Suites: NH-90, F/A-18, F-5, C-130, IDAS/CIDAS, CAMPS, AMPS, etc.
- MAW-200/300, AAR-54, AAR-57, AAR-60 (MILDS), etc.
- LWS-300 COLDS, LSU, ATLAS-2Q & 2QB, LWS-20, LWR 1223, SPS 65, etc.
- RWS-300/310/500, TWE, ALR-67 (V2) / (V3), APR-39, ALR-2000, Seer, Sky Guardian, ELT/156, etc.

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