

missim MK3

The only 4-in-1 solution for confidence testing self-protection systems



➤ Accurate testing provides mission confidence. missim is the only 4-in-1 tester for fast and reliable tests of air, land and sea electronic warfare (EW) suites immediately before a mission. **Now also dual color missile emitter is available.**

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.

Following a brief test with customizable scenarios, users receive a **go/no-go result and confirmation of the performance** of the electronic warfare (EW) system's sensors. missim is **distance independent** and automatically adjusts its signal strength according to the distance from the EW system's sensor.

missim MK3 **makes use of a secured USB external memory** to store classified profiles, preventing your customized scenarios from falling into the wrong hands. **Now with improved ergonomics and outstandingly clear display, readable in every light condition.**



➤ PERFORMANCE DATA

Dual Color Infrared Missile Emitter	Wavelengths Profile	3.8 um and 4.6 um 10 000 points per profile
Wideband Radar	Frequency coverage	1.5 – 18 GHz (1.3 – 18 GHz on request) [adjustable in 1 MHz steps] & 36 GHz
	Modulation Pulse range	CW [1.5 – 18 GHz], pulse, AM, FM, sweep PRI: 5 µs – 100 ms PW: 0.05 – 50 µs
Laser	Spectrum	525/905/1550 nm
	Laser class	Laser class 1, 3 R according to EN 60825-1:2008 [eye safe at 25 cm/10" distance]
	Modulation	PRI: 18 µs – 2 s PW: 0.1 µs – 10 ms [525 nm] PW: 10 ns – 100 ns
UV Missile Emitter	Spectrum Eye-safe	UV-C (solar blind) Yes, EN12198-1:2008
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, EN12198-1:2008
Application Range	With distance compensation	0–20 m [66 ft]
Programmable emitters	Signatures (Radar, Laser, Missile, HFI)	Max. 999 total

➤ BENEFITS

- All-in-one solution – simulation of radar, laser, missile and Hostile Fire Indication (HFI)
- Secure, encrypted USB external memory
- Application range 0–20 m [66 ft]
- Automatic distance compensation – constant power density at the sensor
- EW system independent – simplifies logistics by using just one tester
- Complete, fast and uncomplicated testing
- Handy, stowable onboard equipment
- Built-in internal self-test
- Programming tool included at no extra cost [requires Windows 7 or newer]
- Regular software updates provide continuous functional improvements

➤ SCOPE OF SUPPLY

The missim set comprises the following components:

- missim
- Programming tool [PC software]
- User manuals
- Rechargeable battery & charger
- Ethernet cable
- Transport case

➤ COMPATIBILITY

- EW Suites: NH-90, Tiger, Gripen, Tornado, F/A-18, Black Hawk, A400M, C-130, AMPS, IDAS/CIDAS and others
- AAR-47, AAR-54, AAR-57, AAR-59, AAR-60 [MILDS], PAWS-I/II, MAWS-200/300, Elix-IR, MIRAS and others
- AAR-47, ALTAS-2QB, LWS-310, LWS-20 and others
- APR-39, APR-46, ALR-56, ALR-67, ALR-81, SPS-1000/3000, RWS-300/310/500, SEER, Sky Guardian, ELT/156 and others



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