

MISSIM MK3 - FACTSHEET

The compact all-in-one test device for self-protection systems



Application range with distance compensation from 0–20 m

➤ Make sure your self-protection systems are working as required: with our innovative all-in-one test device missim MK3 you can easily and quickly check the functionality of your systems and get a reliable “Go/No-Go” result for the flight. The compact, multifunctional sensor tester is compatible with most of the self-protection systems.



➤ PERFORMANCE DATA

Wideband Radar Emitter (R)	Frequency coverage	1.5 – 18 GHz and 36 GHz adjustable in 1 MHz steps
	Modulation Pulse range	1.5 - 18 GHz (Pulse-modulation, CW, AM, FM) sweep PRI: 5 µs – 100 ms PW: 0.05 – 50 µs
Low Band Radar Emitter (R2)	Frequency coverage	0.5 – 1.5 GHz (adjustable in 1 MHz steps)
	Modulation Pulse range	CW [0.5 – 1.5 GHz], pulse, AM, FM PW: 50 ns – 2 s
UV Missile Emitter (M)	Spectrum Eye-safe	265 nm UV-C (solar blind) Yes, IEC 62471:2006
Dual Color IR Missile Emitter (M2)	Wavelengths Profile	3.8 µm and 4.6 µm 10 000 points per profile
Laser Emitter (L)	Spectrum Laser class	525/905/1550 nm Laser class 1, 3 R according to EN 60825-1:2014 (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
FEATURE-UVHFI (Hostile Fire Indication HFI)	Spectrum	265 nm UV-C (in the RML configuration) or 3.8 µm and 4.6 µm (in the RM2L configuration)
	Profile programming	3 different calibres of tracer ammunition Scalable firing distance: 200 – 1,000 m
	Eye-safe	Yes, IEC 62471:2006

➤ OPTIONAL ACCESSORIES (ON REQUEST)

- Additional battery
- Longer ethernet cable
- Longer power adapter cable
- Tripod
- MIL-STD compatible rail/mounts for optics/filters



missim MK3 handheld device, out of the box



Flight worthy transport box with missim & accessories

➤ ALL SHIPMENTS INCLUDE

- missim MK3
- Programming tool (PC software)
- Rechargeable battery
- External power supply with country-specific plug
- Ethernet cable
- Monopod
- Ruggedized transport box
- Documentation
 - An EG/EC/CE certificate of conformity
 - A calibration certificate/report
 - Delivery note
 - Software manual
 - Part list (Bill Of Material, BOM)
- Export Control Classification Declaration ECCD (only digital copy delivered)

➤ WARRANTY

The term of the warranty is 18 months from the date of the transfer of risk. Excluded from the warranty are defects caused by improper use, inadequate maintenance, overloading or any other causes that are beyond the control of RUAG LLC.

After the first calibration, which is due 18 months from the delivery date, RUAG will extend the warranty period by an additional 18 months free of charge. This results in a total warranty period of 36 months.

The following items are not covered by the warranty:

- Battery
- UV emitter source
- Damages due to misuse and normal & abnormal "wear and tear"



reddot winner 2024

➤ CONDITIONS AND PRODUCT CLASSIFICATION

- Shipment: FCA Emmen, Switzerland (Incoterms 2020)
- These goods are subject to international export control
- An end user statement is required for each order
- Country of origin: Switzerland
- ITAR-Free
- Harmonized Tariff Schedule (HTS Code): 9031.8000
- Swiss Export Control Classification Number (ECCN): ML14
- Cage Code: SHXL1
- NSN: 4920-12-405-0088



➤ General terms and conditions

➤ ORDER NUMBERS & DESCRIPTION

Order number (P/N)	Configuration / Description ⁽¹⁾	Wideband Radar Emitter (R)	Low Band Radar Emitter (R)	UV Missile Emitter (M)	Dual Color IR Missile Emitter (M2)	Laser Emitter (L)
1024871-003	missim MK3 R	■				
1024844-003	missim MK3 M			■		
1025010-003	missim MK3 L				■	
1025009-003	missim MK3 ML			■	■	
1022928-003	missim MK3 RML	■		■	■	
1026870-003	missim MK3 RR2ML (Low Band)	■	■	■	■	
1021919-003	missim MK3 RM2L (Dual Color)	■			■	■

➤ ZUSÄTZLICHE OPTIONEN

FEATURE-UVHFI Hostile fire emitter [UV] for missim equipped with UV missile module

08605H missim MK3 spare battery
Li-Ion missim MK3 dedicated battery

➤ ZUSÄTZLICHE SERVICES

missim calibration services and software update

missim advanced training - for electronic warfare specialists
Two days in Emmen, Switzerland or virtually

⁽¹⁾ Die Standardfarbe von missim ist gelb [RAL 1028, melonengelb]. RAL 6014 [olivgelb] kann auf Anfrage angeboten werden.

➤ Do you have any questions about the various configuration possibilities or would you like a detailed quote?
Our experts will be happy to help you find the best solution for your requirements.



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➤ missim
brochure



➤ missim
video



➤ Self-protection
solutions video