

ADVANCED ELECTRONICS AND SYSTEMS



DARAD™  
EW SUITE TESTER  
RADAR / LASER / MISSILE

DA  
GROUP

[www.da-group.fi](http://www.da-group.fi)



### 3-IN-1 COMPACT SYSTEM - ALL IN ONE

UV, IR and RF detectors of an EW suite can be easily tested with a single DARAD™. The user-friendly, portable, rugged, rechargeable battery operated and hand-held DARAD™ Tester can also be used on a tripod with optional wireless remote control. This enables even the operator or pilot himself to ensure an EW warning system's functionality. Using several DARAD™ devices, all platform's sensors and observing sectors can be tested at once.



### EASY TO USE, PRAISE FROM THE USERS

The system's open architecture benefits the users. It enables the user to generate unique signatures of specific threats.

The user simply selects test signatures from pre-programmed library according to the mission and tests the EW system's condition. The testing with DARAD™ is fast, secure and reliable due to user friendly construction and functionality and easily selectable pre-programmed signature profiles. The signatures can be securely loaded and also erased and sanitized within seconds, if necessary.

The signature profiles are easily selected and quickly activated by the user from the luminous OLED display menu and few robust buttons. The user interface and testing are simple and has received praise from the users.

The compact test device imitates radar, laser and missile signatures. The easy and fast go/no-go test gives the status of the detection and observing capability of the EW system.



# DARAD™ - For the crew's safety

The crew of a helicopter, a fighter, a tank or a navy vessel requires EW suite training with simulated realistic threats, as well as a fast, dependable tool for the pre-mission go/no-go testing of EW self-protection systems. Threats must be detected. The DARAD™ system ensures that EW system is correctly operating and provides reassurance to the flight crew. Signatures like radars, missiles and lasers are imitated enabling the verification of correct EW system responses.

DARAD™ is the innovative 3-in-1 device for an EW suite testing system and training tool. It is designed to be used in EW suite's signature detection and observing protection capability. It is also an excellent tool for operator training with providing simulated and realistic threats on ground or during non-mission conditions. Signature detection and sensor sensitivity can be validated for all EW suites, for air, land and sea platforms using the DARAD™ system.

The complete DARAD™ system consists of a tester unit with accessories and signature profile generation tools. The DARAD™ Tester is the portable, handheld, easy to use and reliable device to generate waveforms for the EW suite detection capability testing and operator training. The DARAD™ Signature Profile Generation Software (SPGS) is a tool for the customer to independently generate secured threat and mission specific signature waveforms. The field proven and robust device

is designed and manufactured to be used even in extreme conditions, anywhere, and any time. Reliable construction, high quality work and materials guarantee dependable operations and a long life time with regular calibration and support services.

### SIGNATURE PROFILES - THE WAY TO IMITATE THREATS

Specific signal signatures can be simulated for friend and foe radar, laser and missile systems. Signatures are stored and managed by using signature libraries. These may be simply developed by the customer using specific software. Signatures are then loaded securely to DARAD™ Tester. When loaded to the DARAD™ Tester, secret signatures are protected and are not readable by the operator. When testing, the user easily selects mission specific signatures from preloaded libraries by using tester's display and buttons. Due to the state-of-the-art performance of the DARAD™ system, a wide range of customer programmable UV, IR and RF waveforms of threats are supported.

The libraries of the signature waveforms or profiles are created with DARAD™ SPGS (Signature Profile Generation Software) and PC. The signatures are simply downloaded to the DARAD™ Tester via USB connection. The signatures may be grouped and named freely enabling flexible use and practical naming conventions of the electronic warfare warning system by the customer. Basic language is English, but other languages can be supported as an option.

### THE COMPLETE, STATE-OF-THE-ART SOLUTION FOR ELECTRONIC WARFARE SUITE TESTING INCLUDES:

- / Tester
- / Battery
- / Charger
- / USB-cable
- / Case
- / User manual
- / Signature profile generation software on CD and PC
- / Tripod

The device is not subject to ITAR compliance and US export control.



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CHOOSE DARAD™ FOR FAST, ACCURATE & DEPENDABLE TESTING.



# DA GROUP

DA-Group is a provider of advanced electronic solutions and products for technology industry, defence and aerospace applications. Our clients use high-performance products in demanding environments ranging from sea depths to space vacuum.

We are experts in embedded systems, electro mechanics and RF/microwave engineering. Our clients benefit from the complete range of services: from R&T, optimal solutions, product development and design, testing/validation, manufacturing to product life cycle management.

The proven DA Quality System fulfills the key standards:

- ISO 9001:2008 and AQAP 2110
- Facility Security Clearance (FSC) level EU SECRET
- National Security Auditing Criteria (KATAKRI II)
- Safety Integrity Level (SIL) and ATEX compliance
- ESA PSS/ECSS requirements

The trusted and experienced partner to increase technical performance and competitiveness. Contact us!

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