

Mobile Jammers

Frequency band, MHz	Mobile jammer: wideband mode 20÷2500 MHz or 20÷3000 MHz or 20÷6000/7000 MHz or other depending on customer requirements
Total RF output power, W	Up to 3000 W, depending on customer requirements
Type of antennas	Vehicle type, omnidirectional with or without gain depending on the system application and the vehicle platform. Option for directional antennas
Input power supply	12/24/48VDC from DC alternator or/and generator or/and battery pack, 90÷270 VAC
Design, cooling, number of the modules	Modular design Smart force air cooling. Number of the modules is depended on jamming system type, RF output power, frequency bandwidths Easy plug & play upgrading
Operational temperature	-30°C ÷ +55°C
Installation, housings	Outside (roof) or inside installation in any types and models of vehicles and platforms, including armored vehicles



SAMEL 90

AQAP 2110

For further information please contact:



ISO 9001:2008



ISO 14001



BS OHSAS 18001

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All values and capabilities described in the table above refer to the products standard configuration. Samel 90 can provide customization of all types of jammers based on the customer specific requirements. Samel-90 reserves the right to make changes in all the jamming system parameters, which will not disturb the functional parameters of the product

SAMEL 90

JAMMING SYSTEMS

Electronic
Counter Measures (ECM)
against Remote
Controlled Improvised
Explosive Devices (RCIED)

CELL PHONE, PRISON, GPS, UAV JAMMERS



The purpose of the mobile, manpack and portable jammers is to ensure protection against radio-controlled RCIED. They can protect single or group of moving objects, groups of people, cars and/or other objects. The jammers consist of different number of transmitting modules that operate independently. The modules jam frequency bands with different bandwidth. The modules are controlled by a remote control device. The indication system of the remote control unit shows the operator if the system is working properly.

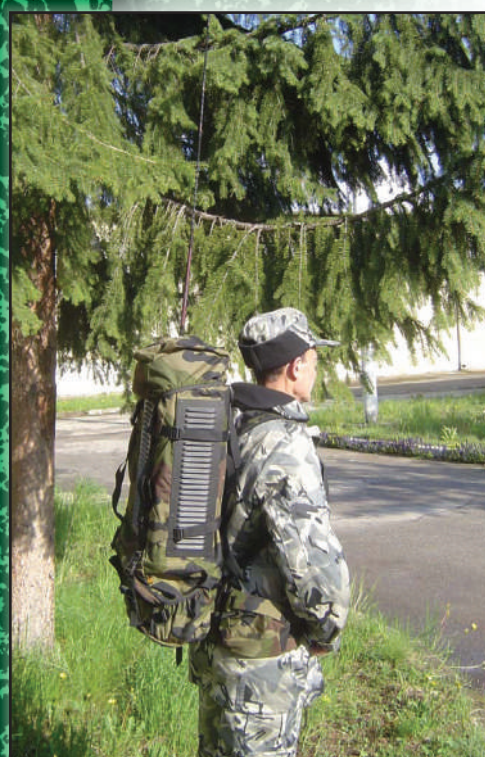
The jammers have an internal protection and BITE system, which ensures their reliable operation. This system monitors the status of the jamming modules and the normal operation of the corresponding antennas. All of the modules have high VSWR and temperature protection, over load, over voltage and over current protection.

The jammers are designed according to the NATO MIL810F standard.

The security of the working personnel is guaranteed according to the Bulgarian standards BDS17137-90, European Union standard SAR and the NATO standard STANAG 2345.

Manpack Jammers

Frequency band, MHz	Wideband mode or specific bandwidths jamming depending on customer requirements
Total RF output power, W	20 ÷ 100 W depending on customer requirements and system application
Type of antennas	Lightweight manpack type, omnidirectional
Input power supply	12/24V battery (including vehicle power supply grid) or/and external power supply unit 90÷270 VAC
Design, cooling, number of the modules	Modular design Smart force air cooling. Some types manpack jammers are designed for operation without air force cooling
Operational temperature	-30°C ÷ +55°C
Installation, housings	Lightweight packsaddle. Total weight of the manpack jammer is 13÷18 kg depending on the RF output power and the number of the bandwidths



Portable (Briefcase) Jammers

Frequency band, MHz	Wideband mode or specific bandwidths jamming depending on customer requirements
Total RF output power, W	50 ÷ 500 W, depending on customer requirements and system application
Type of antennas	Portable type, internal or external omnidirectional, with or without gain depending on the system application
Input power supply	Internal or external 12/24V battery (including vehicle power supply grid), internal or external power supply unit 90÷270 VAC, non-interrupted
Design, cooling, number of the modules	Modular design; Smart force air cooling; Easy plug & play upgrading; Easy maintenance
Operational temperature	-30°C ÷ +55°C
Installation, housings	Hard type's briefcases with trolley. The size of the briefcase is depending on the number of the modules and the RF output power. Possibility for installation in vehicles and open areas.



GPS and anti drone jammers, Cell phone jammers for prisons, offices, examination and conference centers

Frequency band, MHz	All available frequencies and bandwidths according to mobile communication standards in customer country All types Wi-Fi bandwidths, all mode WLAN, all types navigation satellites bands - GPS, Galileo, Glonass, etc. All bands for satellite phones and other frequency bands according to customer request
Total RF output power, W	Output RF power is according to specific area, application, customer requirements, site survey
Type of antennas	Highly effective omnidirectional or directional antennas according to specific area, jamming system application, customer requirements and according to site survey

