

Unmanned target "R-50" with a turbojet engine

Purpose:

- imitation of air targets such as jet combat aircraft, cruise missile, UAV during combat training;
- in the version of the UAV-"kamikaze": strikes against various types of targets

Advantages:

- Ease of use
- The target UAV performs an automatic flight according to the program developed and recorded before takeoff into the airborne flight and navigation system (FNS), with the ability to promptly change the flight task and FNS operation modes at the operator's commands from the portable ground control station



System composition:

- Unmanned aerial target vehicle R-50 - with turbojet engine
- Mechanical catapult for prelaunch preparation and launch of UAVs
- Portable ground control station for:
 - UAV launch and flight control;
 - reception, registration, processing, storage, display of parametric information from UAVs
- Interference-protected data receipt and transmission equipment (DRTE) with an automatic rotary device
- Repair kit - SPTA
- Set of operational documentation

Optional:

- Luneberg lens for increasing the RCS of the target from 0.15 to 1.5-2.0 m².



GCS



DRTE



Luneberg lens

Specifications

Name of characteristics	UAV - target
Takeoff weight (with payload), kg	22
Wingspan/length/height, mm	1500 / 1680 / 276
Maximum flight duration, min	30
Maximum flight speed, km/h	350-400
Cruising flight speed, km/h	200
Altitude of application, m	50-3000
Maximum flight range, km	50
Payload (optional)	Luneberg lens
Start/landing method of intact target	by catapult /parachute
Radar cross section, m ²	0.15, with Luneberg lens - up to 1.5 -2.0 m ²

