



Credo-M1

Mission

The Credo-M1 portable battlefield surveillance radar is designed to detect ground and above-water moving targets as well as control artillery fire, in any season, and under zero visibility conditions (fog, snowfall, rain, smoke, and dust).

Tasks

- surveillance in the specified sector;
- simultaneous tracking of up to 10 operator-selected targets; in addition, the coordinates, motion direction and speed are determined for each target;
- display of the radar data in the specified sector on the control console's display;
- overlay of the radar data onto digital map;
- target data transmission via the RS-232 interface to the users;
- display information editing (using symbols).

Main Equipment

- transceiver with antenna and rotating device;
- data processor;
- control and view console;
- carrying case;
- optical sight;
- boussole;
- headphones;
- accumulator batteries (2 pcs.);
- cable set.

Main characteristics:

- Frequency band: centimeter (J)
- Coverage area:
 - range, km: 0,2 to 32
 - azimuth, deg: 540
 - elevation, deg: ± 18
- Scan sector in azimuth, deg: 12 to 180
- Moving target detection range, km:
 - man: ± 15
 - 155mm shell burst: ± 10
 - tank: ± 30
 - truck: 32
- Target coordinate measurement error:
 - range, m: 25



- azimuth, mil: 00-05
- Number of simultaneous tracked target paths: > 10
- Max emplacement/displacement time, min: 5/3
- Weight, kg: 51





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