



Fara-PV

Mission:

The Fara-PV portable short-range surveillance radar with a panoramic display radar is intended to detect moving ground targets (people, automobiles and armored vehicles) during border surveillance and ground reconnaissance activities, including in hard-to-reach areas.

The radar operates round-the-clock, in any season, and under zero visibility conditions (fog, smoke, dust, snowfall).

Features:

Structurally, the Fara-PV radar is a tripod-mounted transceiver with a drive connected to a control console by a 5 meter cable. When a connecting cable is used, the control console can be moved to up to 15 m away from the transceiver.

A radar control console's color display shows radar mode data, target blips and tracks, security zones and lines, target coordinates in polar or rectangular coordinates and other required information. In reconnaissance mode, an audio and visual alarm is generated when a target is detected within the protected line or area of responsibility.

Main characteristics:

- Frequency band: Ku
- Moving target detection range, km:
 - automobile (RCS = 10 m²): 6
 - man (RCS = 1 m²): 3
- Target coordinate measurement error:
 - range, m: 50
 - azimuth, deg: 1
- Resolution:
 - range, m: 100
 - azimuth, deg: 6
- Automatic azimuth scan sectors, deg: 24 to 180 (with setting increment of 12)
- Continuous operation time (when supplied from a battery), h :
 - under normal conditions: 6
 - at minus 30°C: 3
- Operating temperature range, °C: -40 to +50
- Operating temperature range for the control console, °C: -30 to +50
- Emplacement / displacement time, min: 3
- Weight of manpack radar set, kg: 21,5



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