

Instrumental Landing System (Landing Radio Beacon System)

PRMG-76UM



Ground equipment of PRMG-76UM instrumental landing system of decimetric range is intended to provide approach and landing for an aircraft, equipped with airborne navigation system RSN-2S or its modifications, around-the-clock under ICAO CAT I-II, in manual, semiautomatic and automatic mode.

Main features:

- principle of working area forming, output parameters stability are same as of PRMG-76U;
- the equipment is based on up-to-date microprocessor engineering, transmitting devices are solid-state;
- two air conditioners;
- automatic switch to backup mains;
- uninterrupted around-the-clock operation without continuous presence of technical personnel;
- feature of prompt dismantling the equipment for placing in stationary shelter.

PRMG-76UM is recommended to use at stationary airdrome in remote control mode made from control tower. It provides landing under ICAO CAT II conditions if transmitting antennas and check point masts are installed on the foundation. High mobility, simple deployment, and universal autonomous power supply make PRMG-76UM indispensable when there is the need of frequent moving from one airdrome to another.

Specifications:

Range, not less:	
Localizer (LLZ)	45 km
Glide-Path Radio Beacon (GP)	18 km
DME Repeater	45 km
Frequency range:	
Localizer (LLZ)	905,1 – 932,4 Mhz
Glide-Path Radio Beacon (GP)	939,6 – 966,9 Mhz
DME Repeater, reception / transmission	772–808 / 939,6–966,9 Mhz
Glide path angle, °	2 to 4