

PORTABLE DIRECTION FINDER OF VHF-UHF FREQUENCY BAND “PAUCHOK-S”



MAIN FUNCTIONS

- Reception and direction finding of signals of radio sources within VHF-UHF frequency band;
- Signal audio control of signals with recording of spoken information to computer HDD;
- Display of source position and position of DF station on the map of undercontrolled area;
- Remote control via LAN (or telecode radio channel) from panoramic signal detector “Panorama” (or “Panorama-F”)

COMPOSITION

- 1) Direction finding antenna-feeder system of 30 – 1000 MHz frequency band in the radioparent cargo box with 2 m height;
- 2) VHF-UHF receiver “Filin-VU/DF-02» with DF-signal processing;
- 3) Electronic compass, GPS-receiver;
- 4) Operator’s control board on the base of personal computer Note-Book;
- 5) Radio modem 3G or equipment of UHF radio communication;
- 6) Case with power adapter AC 220 V and DC 12 V;
- 7) Direction finder software for OS Windows 7;
- 8) Complete set of connecting cables and accessories;
- 9) Operational and maintenance documentation (including technical data sheet).

TECHNICAL PARAMETERS

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|--|----------------------------|
| • Operating frequency band | 30 - 1000 MHz |
| • Polarization | vertical |
| • DF accuracy (AME) | 1°...3° |
| • Sensitivity (depends on frequency): | |
| within frequency band 30 - 300 MHz | 50 - 10 μV/m |
| within frequency band 300 - 1000 MHz | 10 - 35 μV/m |
| • Минимальная длительность пеленгуемого сигнала | 50 - 300 ms |
| • Dynamic range by 3 ^D –order intermodulation | ≥70 dB |
| • Dynamic range of signals | |
| not less than | 100 dB |
| • Consumed power from DC 12 V
(without power consumption of PC) | not more than 50 W |
| • Operating temperature range of: | |
| Equipment | -10° C...+ 50° C ** |
| Antenna | -40° C...+ 55° C |
| **- without accounting for PC | |

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