

# 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

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

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