

RF1305 - Mobile set for patrol vehicles

Type designation: **RF1305**

NSN: **5820160034635**

PN (RN): **7005.000.01**

KČN: **0061680330016**

Set consists of #RF13.02# transceiver, DM13 mobile extension and accessories. The set is intended for quick installment in vehicles, particularly in cars. It provides all operating features of the #RF13.02# portable transceiver. The mobile accessory enables power supply from 27 V or 12 V on-board mains, charging of the battery pack and loud monitoring of the received signal. When installed in other types of vehicles, it is necessary to use a frame with the DM13 accessory. The set may be run outside the vehicle as well, with power supply coming from a rechargeable battery pack. For more details on RF13 transceiver, DM13 mobile extension and other set components see relevant pages of this website.

Operating features

- RF13 transceiver display backlight with DM13 power supply from on-board mains
- Power supply to RF13 transceiver from DM13
- Indicates connection to on-board mains, indicates starting of loud monitoring
- Charging of RF13.1 battery pack and switching to trickle charging
- Automatic disconnecting of loud monitoring when the RF13 transceiver is switched off
- Transceiver may be run outside the vehicle

Technical parameters

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|---------------------------|--------------------------------------|
| Frequency range | 30.000 MHz to 87.975 MHz |
| Input impedance | 50 Ω |
| Output impedance | 50 Ω |
| Channel spacing | 25 kHz |
| Number of channels | 2320 |
| Channel selection | from transceiver keyboard or handset |

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| Operating modes | simplex or semiduplex telephony or data transmission to 16 kbit/s |
| Voice encryption | through internal digital scrambler or built-in EU13.1 encryption card |
| Modulation | FM, max. deviation 5.6 kHz |
| RF power output | 5 W nominal, 0.2 W reduced |
| Receiver sensitivity | better than 0.5 μ V at 12 dB SINAD |
| Effectively transmitted frequencies range | |
| narrow band | 300 Hz to 3400 Hz |
| wide band | 150 Hz to 9000 Hz |
| Modulation signal level for 4 kHz frequency deviation | |
| for F3 operation | 100 mV |
| for data | 400 mV |
| AF amplifier output | 1 W in loudspeaker with impedance 6 Ω |
| AF frequency range | 300 Hz to 3000 Hz in 6 dB range |
| Power supply voltage | 10 V to 33 V |
| Maximal current consumption | max. 4.5 A at 12 V power supply voltage max. 2.0 A at 27 V power supply voltage |
| Charging current | 400 mA \pm 50 mA |
| Trickle current | 30 mA \pm 15 mA |
| Operating temperature | -30 $^{\circ}$ C to +60 $^{\circ}$ C |
| Set weight | max. 11 kg |

Documentation

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| RF13 operating instructions | 2000.010.02 |
| RF13 brief operating instructions | 2000.011.02 |
| DM13 operating instructions | 7005.010.02 |

Components

| Type designation | PN (RN) | Name |
|------------------|-------------|---------------------------|
| | 7013.100.01 | Frame |
| RF13 | 2000.100.02 | Transceiver |
| RF13.1 | 7000.100.01 | Rechargeable battery pack |
| DM13 | 7005.100.01 | Mobile extension |
| RF13.2 | 2022.100.01 | Handset with control |
| | 1050.101.01 | Power supply cable |

Accessories

| Type designation | PN (RN) | Name |
|------------------|-----------------------------|----------------------------|
| | 2036.100.40 | 1.88 m VHF vehicle antenna |
| | 2036.100.23, 2036.100.24 | 2.6 m VHF vehicle antenna |
| RF13.3 | 2022.100.51 | Handset |
| | 2026.700.01 | Handset holder |
| PK1302 | 2320.000.20 | Fill gun set |
| | 2000.118.01 | Light fabric cover |
| | 2011.904.01 | Antenna cable (3 m) |
| | 2011.904.02 | Antenna cable (10 m) |
| | | RF headsets |
| AS1301 | 2038.100.01 | Short tape antenna 0.5 m |
| AL13 | 2039.100.01 | Long tape antenna 1.5 m |
| RF13.8 | 2036.100.11 | Hang-up antenna |
| | 6000001104 | Extension cable |
| | 2000.116.01 | Manpack bag |
| | 2000.117.01 | Carrying straps |

2000.110.03

Spare parts set