RF1305 - Mobile set for patrol vehicles

Type designation: **RF1305**

PN (RN): **7005.000.02**

Set consists of RF13 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 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

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
Operating modes	simplex or semiduplex telephony or data transmission to 16 kbit/s

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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 µV 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	100 mV for F3 operation
	400 mV for data
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 ± 50 mA
Trickle current	30 mA ± 15 mA
Operating temperature	-30 °C to +60 °C
Set weight	max. 11 kg

Documentation

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

RF13	2000.100.04	Transceiver
RF13.1	7000.100.02	Rechargeable battery pack
DM13	7005.100.02	Mobile extension
	7013.100.01	Frame
RF13.2	2022.100.02	Handset with control
	1050.101.01	Power supply cable

Accesories

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	2022.100.52	Handset
	2026.700.01	Handset holder
PK20	2320.000.02	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

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