RF23M - Mobile set

Type designation: **RF23M**

PN (RN): **7018.000.42**

The set is designed for installation in wheeled vehicles with an external antenna on the vehicle body. The set can be powered from the 12 V or 24 V vehicle electrical system. The RF23 transceiver design allows you to connect an external GPS antenna mounted on the vehicle body.

Basic requirements

VEHICLE ANTENNA SET REQUIREMENTS	
Frequency range	25 MHz to 146 MHz, recommended 30 MHz to 108 MHz
Nominal impedance	50 Ω
VSWR	max. 3.5
Power load	min. 10 W
ANTENNA CABLE REQUIREMENTS	
Material	RG_58_C/U-01
Cable length	max. 10 m
RF23 connector	TNC according to MIL-STD–348A
Antenna connector	depending on the antenna connector type
GPS ANTENNA CABLE REQUIREMENTS	
Material	RG58, LMR-195-FR-W
Cable length	max. 15 m
RF23 connector	SMA according to MIL-STD–348A
Antenna connector	depending on the antenna connector type
EXTERNAL GPS ANTENNA REQUIREMENTS	
Passive or active	

MESIT asd, s.r.o.
Sokolovská 573, Mařatice
686 01 Uherské Hradiště
Česká republika

asd@mesit.cz
T +420 572 522 200
F
www.mesitasd.cz

Supply voltage for the preamplifier	3.3 V

Documentation

RF23 operating instructions	2300.010.42
RF23 short operating instructions	2300.011.42
MA1302 operating instructions	7018.010.22

Components

Type designation	**PN (RN)**	**Name**
RF23	2300.100.40	EPM handheld transceiver
MA1302	7018.100.21	Vehicle support
LP1302	7029.100.02	Battery pack
	1050.125.01	Power supply cable

Accesories

Type designation	**PN (RN)**	**Name**
LP20	7029.100.11, 7029.100.13	Battery pack
LP1302	7029.100.02	Battery pack
NU1302	7027.000.02	Universal charger set
NM1302	7028.000.02	Mobile charger set
	2036.100.23, 2036.100.24	2.6 m VHF vehicle antenna
	2036.100.40	1.88 m VHF vehicle antenna
	2036.100.42	1.1 m long tape antenna
	2036.100.45	Vehicle antenna 2.6 m with GPS antenna
PD13	2036.100.10	Long-wire antenna

RF13.8	2036.100.11	Hang-up antenna
GPA24	2042.100.50	Satellite navigation antenna
	2328.100.11, 2328.100.12	Headset
RM23	2313.100.40	Handset with control
	2328.100.01	Handset
PK23	2320.000.42	Fill gun set
	6000010032	Transceiver bag
	6000010038	Transceiver bag
	7020.116.01	Battery pack bag
	6000010039	Battery pack bag extended
	1050.465.01	RF cable
	2011.904.01	Antenna cable (3 m)
	2011.904.02	Antenna cable (10 m)
	1050.430.30	Antenna cable 3 m
	1050.430.10	Antenna cable 10 m
	1050.454.02	Antenna cable
	1050.285.01	Data cable (USB)
	1050.285.02	Data cable (RS232C)
	4290330401	TNC M/BNC F adaptor
	5605002002	High frequency protection 1 GHz 200 V 400 W
	5605002003	High frequency protection 6 GHz 180 V 400 W
	2025.500.51	CD for modem configuration