RF2305 - Manpack radio

Type designation: **RF2305**
PN (RN): **2302.100.01**

The RF2305 is a manpack radio for communication at tactical command level. Manpack set is based on the RF23 handheld radio.
Compared to the handheld radio, the range of the manpack is increased by improving the antenna and antenna counterweight. The counterpoise consists of a conductive chassis with an antenna connector sewn into the bag, which also serves as a mechanical fixture designated for the whip antenna. The bag features main compartment and two side pockets for individual components of the set.

Operation features

- maintains the complete RF23 radio functionality, typically:

  - Voice & data encryption
  - Frequency hopping
  - AES based TRANSEC/COMSEC
  - IP data
  - Position reporting system
  - Repeater supported

- increases the range up to 15 km
- wide range of RF23 accessories supported
- easy to operate and handle
- easy to customize by additional components such as spare batteries, hang-up antenna, short whip antenna, etc.

Set composition:

- bag with a conductive plate and the antenna connector
- RF23 radio
- 2.45 m antenna
- battery
- handset with control
- set of connecting cables

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Technical parameters

Frequency range	25.0000 MHz to 145.9875 MHz
Modulation type	FM, AM
Transmission power	up to 5 W (1 W AM)
Battery life (1:1:10)	up to 26 hours
Environmental parameters and dimensions	
Temperature range	-30 °C to +60 °C
Immersion	1 m
Environmental specification	according to MIL-STD-810E
EMC	according to MIL-STD-461E
Dimensions [w x h x d]	400 mm x 300 mm x 155 mm
Weight	4 kg

Documentation

RF23 operating instructions	2300.010.42
RF23 short operating instructions	2300.011.42

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