AR20P - Personal rebroadcast set

Type designation: **AR20P**

PN (RN): **2315.100.12**

The AR20P personal rebroadcast set is a device allowing automatic rebroadcasting in fixed frequency operation modes of transceivers complying with the requirements of the STANAG 4204 standard and of transceivers communicating in frequency hopping modes using HW20 modulation, i.e. RF23, RF20, RF2050.

Operation features

- portable rebroadcast station
- suitable for difficult, rugged terrain
- extends communication range of RF20 system handheld transceivers up to 20 km (designed especially for observers)
- automatic rebroadcasting of operation at fixed frequencies (STANAG 4204) as well as all RF20 system transceivers operation at fixed frequencies across the 30 MHz to 88 MHz band.
- automatic rebroadcasting of RF20 system frequency hopping operations
- all necessary equipment in two bags

To increase operation time LP20 battery packs are available.

Technical parameters

Frequency range	30 MHz to 88 MHz
Transmitter power	5 W
Sensitivity	min. 113 dBm
RU20 operating time (from LP1302)	50 hours (except RF20)
Dimensions	
– bag with components	295 mm x 300 mm x 350 mm
– antenna mast bag	1400 mm x 200 mm x 200 mm
Weight	

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– bag with components	max. 10.5 kg
– antenna mast bag	max. 8.9 kg
Operating temperature range	-40 °C to +70 °C
Mechanical and climatic resistance	MIL-STD-810E

Documentation

RU20 operating instructions	2315.010.12
RF20 operating instructions	2300.010.12
RF20 short operating instructions	2300.011.12

Accesories

Type designation	**PN (RN)**	**Name**
RF20	2300.100.10	EPM handheld transceiver
RU20	2315.110.12	Rebroadcast unit
LP1302	7029.100.02	Battery pack
	1050.351.01	Data cable
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	1050.659.01	AF cable
AD-52	6000001411	Wire antenna
RF13.8	2036.100.11	Hang-up antenna
	6000001104	Extension cable
	6000010027	AR20P bag
STM-7/6-123	6000001412	Antenna mast

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