

AUTHOR

TIME AND PLACE OF CREATION

Time:

1970

Place:

, Poland



TECHNICAL DATA

Dimensions:

height: 220 mm, width: 150 mm, depth: 325 mm

OTHER

MIM 1269/VIII/42

KEYWORDS

fale radiowe, komunikacja, łączność, PRL, przemysł, radio, telefon, telekomunikacja

DESCRIPTION

The radiotelephone is a device for two-way voice communication over radio waves. The FM302 was widely used by the state services in communist Poland. After the device was withdrawn from use, some units were acquired by ham radio fans and, after retuning, they were used for building amateur FM communication networks in the 2m band. The design of the device is based on vacuum tubes. Operating frequency stabilisation is ensured by the built-in thermostat, which adjusts the ambient temperature for the components whose parameters are sensitive to temperature change. The unit presented here is a stationary version with a 220V power supply unit. There was also a portable version powered by a car battery through a vibrating converter, and in later units – through a transistor-based power supply unit. The device could operate on one of four channels selected using a rotary switch. Their frequencies were determined by a set of replaceable quartz resonators. The Radmor enterprise in Gdynia was established in 1947, and at the beginning of its existence it used the name MORS (Eng.: walrus), the acronym for „Morska Obsługa Radiowa Statków” (Marine Radio Servicing of Ships). In reality, the factory’s products were also widely used in

land communication. In 1971 the company's name was changed to "Radmor". It was the main provider of communications equipment in communist Poland, and in the late 1970s its product range was expanded to include high-class home audio equipment. Currently, the company produces advanced communication equipment used by the uniformed services.