

Specification Sheet

micomRanger

3R Ruggedized 125 Watt HF-SSB Transceiver 1.6-30 MHz



Built to withstand years of shock and vibration and the most severe operating conditions, the micomRanger is designed to operate as a fixed or mobile transceiver, delivering some of the most reliable long-range radio communications.

Equipped with a military-type handset and connectors, the micomRanger meets the strictest standards for radio communication equipment dependability and durability, including MIL-STD-810, FED-STD-1045 and ALE per MIL-STD-188-141B. The micomRanger delivers superior qualities in a cost-effective radio designed to meet the needs of a wide range of organizations.



BENEFITS AND FEATURES

ESTABLISHING A RADIO LINK IS ALWAYS FAST AND SIMPLE

- **Automatic Link Establishment per MIL-STD-1045 & MIL-STD-188-141B standards.**
- **ISB-ready (Independent Side Band).**
- Full interoperability with other manufacturers' radios complying with the same ALE standards.

VOICE THAT'S LOUD & CLEAR

- Built-in voice quality system utilizes proprietary algorithms to filter out background noises, giving users exceptional communications clarity.
- Selectable bandwidth allows fine tuning for optimal voice and data communications.
- Voice-activated digital squelch.

USER-FRIENDLINESS

- New control head features a large LCD, full-dot matrix digital display and an enhanced keyboard for programming and set-up. Radio operation can also be performed using a PC and programming application as well as a USB keyboard.
- Multiple language display available.

YEARS OF TROUBLE-FREE, MOST ADVANCED COMMUNICATIONS

- Upgrading to future technologies is easily done by installing new software into the transceiver's DSP unit.
- Easily replaceable digital components help ensure cost-effective maintenance.
- Very high MTBF, as with all Micom radios.
- Unique Built-in self Test system provides exceptional dependability.

COMPREHENSIVE COMMUNICATION AND NETWORKING SERVICES

- Office-quality communications services integrating fax, e-mail and data transmission and reception.
- **MultiNet** enabling integration of different HF radio networks into one seamless network, allowing excellent coordination between different operational nets.
- AMD (Automatic Message Display) for free and pre-set text messages.
- **GPS** embedded application (optional).
- Multiport and additional front panel communication ports.
- Secure voice and data.

A PROVEN FAMILY OF RADIO PRODUCTS

- The micomRanger is a member of the Micom transceiver family – fixed and mobile stations – covering the long-range wireless communication needs of thousands of organizations world-wide.

MAJOR ACCESSORIES:

- Secure voice and data
- Phone patch
- Military audio radio accessories
- micomLink
- HF Modems
- ATUs
- Antenna systems
- micomTel
- AC power supply

SPECIFICATIONS

Model	M95AMN0KV5-K
Frequency Range	1.6-30 MHz
Number of Channels	200
Transmission	125 Watt PEP average
Reception	100 kHz-30 MHz Rx
Operating Voltage	13.8 V \pm 20%; 24 V operation (option)
Bandwidth	
Audio	350 to 2700 Hz
Data	300 to 3300 Hz
Frequency Stability	0.6 PPM (0.1 PPM optional)
Frequency Resolution	10 Hz
Operating Temperature Range	-30°C to +60°C / -22°F to +140°F
Humidity	95% @ 50°C / 122°F
Sensitivity (SINAD)	SSB: 0.3 μ V for 10 dB SINAD
Dimensions	
Height	92 mm / 3.7 inches
Width	302 mm / 11.9 inches
Depth	285 mm / 11.3 inches
Weight	5.9 Kg / 13 lbs

OPTIONS

PC control and programming software package

USB for external keyboard

micomLink interface

ALE DTM/DBM

2 wire remote control head



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