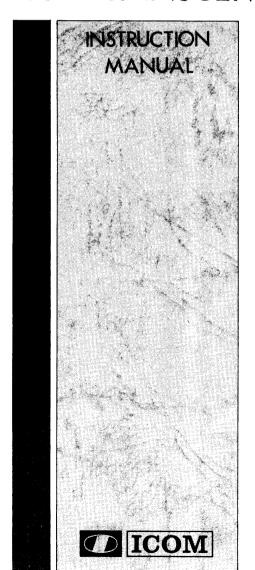


## IC-202

## 2 METER BAND SSB TRANSCEIVER



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Congratulations on the purchase of the IC-202, portable 2 meter SSB transceiver. The IC-202 was designed to be operable anywhere like most portables, but we also included features like a very effective noise blanker, RIT, S&RF meter, and a full 3 watts output. Two built-in crystals in the stable VXO allow operation between 144.0 and 144.4 MHz. If you wish to expand the range of the IC-202, we have also provided 2 spare crystal sockets for your convience. With a slight retuning of the IC-202, and installation of a special crystal, you may also work through Oscar or USB.

The aluminum die cast frame provides a very strong yet light housing for the 2 circuit boards, and the aluminum sides snap off easily if service is necessary or to change the batteries.

The IC-202 operates on 9 inexpensive C cell batteries, or on an external 13.8V DC source. We recommend the IC-3PS which not only provides power for the IC-202, but also doubles as a stand and holder for the IC-20L 10 watt linear amplifier.

You can use the built-in whip antenna for portable use or another antenna connects to the external antenna connector on the back of the IC-202.

We are sure that you will have years of lasting enjoyment from your IC-202, manufactured by the leader in communication equipment: Inoue Communication Equipment Corporation.



## SECTION II **SPECIFICATIONS**

GENERAL:

Number of Semi-Conductors 19 Transistor **FET** 7

7 IC 33 Diodes

Frequency Coverage 144.00-145.00MHz Frequency Stability ±200Hz/HR @25°C

Modulation Type (A3J), (A1)

Antenna Impedance 50 ohms unbalanced Power Supply DC13.8V±15%

Current Drain Negative Ground Transmitting:

> A3J Approx. 540mA

**A**1 Approx. 750mA

Receiving at Max. Audio Output: Approx. 250mA Approx. 90mA with no signal:

Dial Light: Approx. 40mA

183mm(H) x 61mm(W) x 162mm(D) **Dimensions** 

Net Weight 2.0Kgs including batteries

TRANSMITTER:

144.00-145.00MHz Frequencies

2 Crystal built-in for 144.00-144.40MHz. Each Crystal for continous coverage of 200KHz. Two spare crystal

sockets. Connection with external VFO available.

A3J (USB) and A1 Modulation Type

RF Output Power A3J 3W(PEP) 3W **A**1

Carrier Suppression Better than 40dB Opposite Side Band Suppression Better than 40dB/1KHz

Spurious Radiation Better than -60dB Modulation System Balanced Modulation

SSB Producing System Filter Type 600 ohms Microphone Impedance

RECEIVER:

Frequencies Same as Transmitter A3J(USB) and A1 Modulation Type Single Super Heterodyne Receiving System

Intermediate Frequency 10.7MHz

 $0.5\mu V$  at (S + N)/N 10dB or better Sensitivity

Spurious Sensitivity Better than -60dB

Selectivity ± 1.2KHz or better at -6dB

± 2.4KHz or better at -60dB

Audio Output More than 1W

Audio Output Impedance 8 ohms