



144MHz FM TRANSCEIVER

IC-2300-T

Tough & Built to Last ***Long Lasting Power and Icom Quality***

- ***10 Watts of RF Output Power with Heavy Duty Endurance***
- ***Powerful 4.5W Audio Output Provides Loud and Clear Audio***
- ***Tested to the Latest MIL-STD 810 G Specifications***



10 Watts



Stable 10W of output power 100% duty cycle

The IC-2300-T can generate 10W of output power. The rugged aluminum diecast provides effective heat dissipation and keeps RF output even during high duty cycle continuous transmission.

A total of 207 memory channels

The IC-2300-T has a total of 207 memory channels, including 200 regular channels, 6 scan edges and 1 call channel. The channel name is programmable with 6 characters for easy recognition.

Built-in CTCSS and DTCS encoder/decoder

The CTCSS and DTCS tones are built-in for quiet stand-by and repeater access. The tone scan function detects the subaudible tone that is used for repeater access. The pocket beep function gives you an audible and visual indicator of an incoming call. The DTCS encoder function (DTCS transmit only) is also available.

Simple operation

The IC-2300-T retains the basic panel layout and its user interface from the IC-2200-T. A 70.6x20 mm LCD display offers a good viewing angle suitable for mobile operation. The bottom of the display indicates the available functions of the front panel buttons directly below the display.

Multiple scan functions

The IC-2300-T supports various scan types for maximum reception and ease of use. The DMS (Dynamic Memory Scan) system allows you to scan selected banks from 10 memory banks by simply adding and deleting bank links.

Tested to the MIL-STD 810 G specifications

The IC-2300-T is built tough to protect from a rough road. It has been tested to and has passed the latest MIL-STD 810 G specifications including shock, vibration and temperature tests.

And more...

- Power supply voltage display
- Wide/narrow channel setting
- 4.5W (typical) loud audio
- Reduced depth dimensions
- DTMF autodial
- Time-out timer
- Repeater lockout
- Automatic power off
- S-meter squelch
- Selectable LCD backlight color (amber, yellow and green)
- Automatic repeater function
- Selectable squelch delay from short and long
- Squelch attenuator reduces suppression from strong signals
- PC to transceiver and transceiver to transceiver cloning capability (optional cloning software, CS-2300 and/or cloning cable required)

SPECIFICATIONS

GENERAL	
Frequency coverage	144-146MHz,
Number of channels	207 channels (including 6 scan edges, and 1 call)
Type of emission	F2D, F3E (FM)
Frequency stability	±3ppm
Power supply requirement	13.8V DC ±15%
Current drain (approx.)	
Tx 10W	7A
Rx Max. audio/Stand-by	1.5A/0.4A
Antenna impedance	50Ω (SO-239)
Operating temperature range	-10°C to +60°C; 14°F to +140°F
Dimensions (WxHxD; Projections not included)	140x40x162 mm; 5.51x1.57x6.38 in
Weight (approx.)	1.1 kg; 2.43lb

TRANSMITTER	
Output power (at 13.8V DC)	10W, 5W, 1W
Max. frequency deviation	±5.0kHz/±2.5kHz (W/N)
Spurious emissions	Less than -70dBc
Microphone impedance	600Ω (8-pin modular)
RECEIVER	
Intermediate frequencies	46.35MHz/450kHz
Sensitivity (at 12dB SINAD)	Less than 0.18μV
Selectivity	Wide: More than 70dB Narrow: More than 65dB
Spurious response rejection	More than 70dB
Audio output power	4.5W typ. (10% dist. 4Ω load)
External speaker connector	2-conductor 3.5 (d) mm (1/8")/4Ω

Applicable U.S. Military Specifications

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Vibration	514.6	I
Shock	516.6	I, IV

Also meets equivalent MIL-STD-810-C, -D -E and -F.

Supplied Accessories (* Depending on version)	
• Remote control Mic, HM-133V	• Mounting bracket kit
• Microphone hanger*	• DC power cable
	• Spare fuses

All stated specifications are subject to change without notice or obligation.

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.



- CS-2300H CLONING SOFTWARE + OPC-478/OPC-478UC CLONING CABLES
- OPC-478: RS-232C cable;
- OPC-478UC: USB cable
- OPC-474 CLONING CABLE For transceiver to transceiver cloning.
- OPC-1132A, OPC-347 DC POWER CABLES
- OPC-1132A: 3.0m; OPC-347: 7.0m

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