

# ICOM IC-7300

ICOM-7300 HF/50 MHz/70 MHz  
ALL-MODE SDR TRANSCEIVER

LIVE IN OUR SHOWROOM!



The new Icom IC-7300 HF/50 MHz/70 MHz base transceiver employs an RF direct sampling system, where RF signals are directly converted to digital data. Then processed in the FPGA (Field-Programmable Gate Array), making it possible to simplify the circuit construction as well as reduce noise that can mask weak signals.

The RF Direct Sampling is protected by an array of bandpass filters. The signal passes through one of the fifteen bandpass filters, where signals outside the passband are rejected. To reduce the insertion loss, the IC-7300 utilizes High Q factor coils.

The large 4.3" color TFT touch LCD offers intuitive operation of functions, settings, and various operational visual aids such as the band scope, waterfall function, and audio scope.

Real-Time spectrum scope. You no longer have to choose whether to listen to the audio or have the spectrum scope sweep for signals as the IC-7300's real-time spectrum scope offers the simultaneous operations found in some of the more expensive rigs! This means you can use either the spectrum scope or the waterfall to quickly move to an intended signal while listening to the receiver audio.

<u>Download here the test report from Adam Farson VA7OJ

## Specifications

Frequency range : Rx 0,030-74,800 MHz | Tx 1,800-1,999 MHz, 3,500-3,800 MHz, 7,000-7,200 MHz, 10,100-10,150 MHz, 14,000-14,350 MHz, 18,068-18,168 MHz, 21,000-21,450 MHz, 24,890-24,990 MHz, 28,000-29,700 MHz, 50,000-52,000 MHz, 70,000-70,500 MHz.

Modes : USB, LSB, CW, RTTY (FSK), AM, FM

Output : 100 W

Number of channels : 101 ( 99 en 2 scan segmenten)

Frequency stability : < ±0,5 ppm

Power supply requirement : 13,8 VDC ±15 % (min aan massa)

Power Consumption : TX max. 21,0 A | RX max. 1,25 A | Stand-by 0,9 A

Antenna connector : SO-239 (50 Ohm)

Dimensions : W 240 x H 94 x D 238 mm

Weight : approx. 4,2 kg

## TRANSMITTER

Output power : SSB, CW, FM, RTTY 2–100W (HF/50MHz), 2–50W (70MHz), AM 1–25W (HF/50MHz), 1–12.5W (70MHz)

Modulation system : SSB Digital P.S.N. modulation

AM Digital : Low power modulation



Article id: **ICOM IC-7300**

Price: **€ 1195,00**

ex VAT € 987,60

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FM Digital : Reactance modulation

Spurious emissions : HF bands Less than -50dB | 50 MHz band Less than -63dB | 70 MHz band Less than -60dB

Carrier suppression : More than 50dB

Unwanted sideband : More than 50dB

Microphone impedance : 600 Ohm

## TUNER

Frequency range : 1.9-70 MHz bands

Matching impedance range : 16.7 Ohm-150 Ohm unbalanced (VSWR better than 1:3)

Tuning accuracy : VSWR 1:1.5 or less

Tuning time : 2-3 seconds (Maximum 15 seconds)

The Icom IC-7300 is supplied with:

Manuals in English, German, Spanish, French and Italian. <u>The full English manual can be downloaded at the Icom website.

DC power cable with inline noise filter

HM-219 electret hand microphone

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

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