The Real HF Fun Starts Here

Revolutionary

The SD card shown in the photo is not included.
IC-7300 – The Innovative HF Transceiver with High Performance Real-Time Spectrum Scope

Class Leading Real-Time Spectrum Scope

The IC-7300’s real-time spectrum scope is class-leading in resolution, sweep speed and dynamic range. While listening to received audio, you can check the real-time spectrum scope and quickly move to an intended signal. When you first touch the scope screen around the intended signal, the touched part is magnified. A second touch of the scope screen changes the operating frequency and allows you to accurately tune.

Real-Time Spectrum Scope Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>IC-7200/9200</th>
<th>IC-7300</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFT (Fast Fourier Transform)</td>
<td>-</td>
<td>•</td>
</tr>
<tr>
<td>Sweep speed</td>
<td>Max. 30 frames/second (approx.)</td>
<td>Selectable from slow, mid or fast</td>
</tr>
<tr>
<td>Span width</td>
<td>5kHz-1000kHz</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>1 pixel minimum (approximately)</td>
<td></td>
</tr>
<tr>
<td>Display area (vertical axis)</td>
<td>80dB</td>
<td></td>
</tr>
<tr>
<td>Reference level adjustment</td>
<td>-20dB to +20dB</td>
<td>ON/OFF/fast 10 seconds</td>
</tr>
<tr>
<td>Remaining time</td>
<td>ON/OFF</td>
<td></td>
</tr>
<tr>
<td>Other functions</td>
<td>-20dB to +20dB</td>
<td></td>
</tr>
</tbody>
</table>

* Number of pixels shown at the 60dB level, when receiving a signal.

High-Resolution Waterfall Function

The combination of the waterfall function and the real-time spectrum scope assists in maximum receive performance of the IC-7300 and increases QSO opportunities without missing weak signals. The waterfall function shows a change of signal strength over a period of time and allows you to find weak signals that may not be apparent on the spectrum scope.

Audio Scope Function

The audio scope function can be used to observe various AF characteristics such as microphone compressor level, filter width, notch filter width and keying waveform in the CW mode. Either the transmit or receive audio can be displayed on the FTT scope, with the waterfall function and the oscilloscope.

Real-Time Spectrum Scope Specifications

| Scope system | FFT (Fast Fourier Transform) | • |
| Sweep speed | Max. 30 frames/second (approx.) | Selectable from slow, mid or fast |
| Span width | 5kHz-1000kHz | • |
| Resolution* | 1 pixel minimum (approximately) | • |
| Display area (vertical axis) | 80dB | • |
| Reference level adjustment | -20dB to +20dB | ON/OFF/fast 10 seconds |
| Remaining time | ON/OFF | • |
| Other functions | -20dB to +20dB | • |

* Number of pixels shown at the 60dB level, when receiving a signal.

15 Discrete Band-Pass Filters

The IC-7300 has 15 discrete RF band-pass filters. The RF signal is only passed through one of the band-pass filters, while any out of range signals are rejected. High Q factor coils are used to minimize the loss in the RF band-pass filters.

Built-In Automatic Antenna Tuner

The antenna tuner memorizes its settings based on your transmit frequency, so that it can rapidly tune when you change operating bands. The Enforced Tuning function allows a wide range of temporary antennas to be tuned.

Superior Sound Quality

To offer superior sound quality, a new speaker unit has been incorporated and is allocated dedicated space in the aluminum die-cast chassis.

SD Memory Card Slot for Saving Data

The IC-7300 can store various contents into SD card such as received and transmitted audio, voice memories, RTTY/CW memories, RTTY decode logs and captured screen images. Personal and firmware updating data can also be stored to the SD card for easy setting.

Other features
- New HM-219 hand microphone supplied
- Effective large cooling fan system
- • A Multi-function meter
- 101 memory channels (99 regular, 2 scan edges)
- Optional RS-BA1 IP remote control software (the spectrum scope with the waterfall can be observed)
- • CW functions: Full break-in, CW reverse, CW auto tuning
## SPECIFICATIONS

### GENERAL

<table>
<thead>
<tr>
<th>Frequency coverage (MHz)</th>
<th>Receiver*</th>
<th>0.30–74, 800.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmitter*</td>
<td>1.80–1.999, 3.50–3.800, 7.00–7.200, 10.100–10.150, 14.000–14.350, 16.088–16.188, 21.000–21.450, 24.890–24.990, 28.000–29.700, 50.000–52.000, 70.000–70.500</td>
<td></td>
</tr>
</tbody>
</table>

* 70 MHz band is for EUR version. Each frequency range is different according to versions.

** Guaranteed range: 0.500–25.999, 50.0001–54.000, 70.0001–70.500MHz

** Mode | SSB, CW, RTTY, AM, FM

** Number of channels | 101 (99 regular, 2 scan edges)

** Power supply requirement | 13.8V DC ±15%

** Power output | 21A at 100V output power

** Frequency | 3.9A typical (Standing 1.25A (Maximum audio)

** Operating temperature range | -10°C to +40°C

** Frequency stability | Less than ±0.5ppm (In the 7°C to +60°C, 14°F to 140°F)

** Frequency resolution | 1Hz

** Dimensions | 604 x 320 x 240 (mm) (dimensions do not include projections)

** Weight (approximately) | 4.2kg; 9.26lb

### RECEIVER

<table>
<thead>
<tr>
<th>Sensitivity</th>
<th>0.5–1.8MHz: 1.1uV, 18.9595MHz: 1.1uV, 50MHz band: 1.1uV, 70MHz band: 50MHz band</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM (in AM 64k): 1kHz</td>
<td>2.4kHz/–6dB, 3.4kHz/–40dB</td>
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<td>AM (in AM 64k): 1kHz</td>
<td>2.4kHz/–6dB, 3.4kHz/–40dB</td>
</tr>
<tr>
<td>FM (in AM 64k): 1kHz</td>
<td>500Hz/–6dB, 700Hz/–40dB</td>
</tr>
<tr>
<td>FM (in AM 64k): 1kHz</td>
<td>500Hz/–6dB, 1kHz/–40dB</td>
</tr>
<tr>
<td>FM (in AM 64k): 1kHz</td>
<td>1kHz/–40dB</td>
</tr>
<tr>
<td>FM (in AM 64k): 1kHz</td>
<td>1kHz/–40dB</td>
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### TRANSMITTER

<table>
<thead>
<tr>
<th>Frequency resolution</th>
<th>1Hz</th>
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<tbody>
<tr>
<td>Operating temperature range</td>
<td>-10°C to +60°C; 14°F to 140°F</td>
</tr>
<tr>
<td>Power consumption</td>
<td>Tx: 21A (at 100W output power)</td>
</tr>
<tr>
<td>Antenna connector</td>
<td>SO-239 (50Ω)</td>
</tr>
<tr>
<td>Tuner Socket</td>
<td>SEND Jack</td>
</tr>
<tr>
<td>Accessory Socket</td>
<td>Tune, Mic, Ground, Power, USB</td>
</tr>
<tr>
<td>External Speaker Jack</td>
<td>SEND Jack</td>
</tr>
<tr>
<td>OPC-599 is required.</td>
<td></td>
</tr>
</tbody>
</table>

### OPTIONS

** PS-126  DC POWER SUPPLY

** PS-127  DC POWER SUPPLY

** AH-4  HF-50MHz AUTOMATIC ANTENNA TUNER

** AH-2b  ANTENNA TUNER

** AH-740  AUTOMATIC TUNING ANTENNA

### EXTERNAL SPEAKERS

** SP-23  4 audio filters; headphone jack; max. input power: 5W |

** SP-33  Wooden box speaker; max. input power: 5W |

** SP-34  4 audio filters; headphone jack; max. input power: 5W |

### DESKTOP MICROPHONES

** MB-118  MOBILE MOUNTING BRACKET |

** MB-118  MOBILE MOUNTING BRACKET |

** CT-17  CV LEVEL CONVERTER |

** RC-28  USB REMOTE ENCODER |

### CI-V LEVEL CONVERTER

For mounting the radio in a vehicle.

** MB-123  CARRYING HANDLE |

** OPC-420  CONTROL CABLE for connection with AH-4 (10m) |

** OPC-2321  CONTROL CABLE for connection with AH-740 (6m) |

** OPC-999  CABLE ADAPTER Converts 13-pin ACC connector to 7-pin + 8-pin ACC connectors. |

### HP+50MHz AUTOMATIC LINEAR AMPLIFIER

** MS-50  Dynamic desktop microphone includes [LMP200N] switches and a low cut function. |

** MS-30  Compact, lightweight electret microphone. |

### HF+50MHz AUTOMATIC LINEAR AMPLIFIER

** IC-PW1EURO  1kW |

### ANTENNA

<table>
<thead>
<tr>
<th>Tuner System</th>
<th>Direct Sampling Superhetodyne</th>
</tr>
</thead>
</table>

### REAR PANEL VIEW

- **HF/50/70MHz TRANSCEIVER**
- **Number of channels**: 101 (99 regular, 2 scan edges)
- **Power supply requirement**: 13.8V DC ±15%
- **Power output**: 21A at 100V output power
- **Frequency**: 3.9A typical (Standing 1.25A (Maximum audio)
- **Operating temperature range**: -10°C to +40°C
- **Frequency stability**: Less than ±0.5ppm (In the 7°C to +60°C, 14°F to 140°F)
- **Frequency resolution**: 1Hz
- **Dimensions**: 604 x 320 x 240 (mm) (dimensions do not include projections)
- **Weight (approximately)**: 4.2kg; 9.26lb

### OPTIONS

- **PS-126**: DC POWER SUPPLY
- **PS-127**: DC POWER SUPPLY
- **AH-4**: HF-50MHz AUTOMATIC ANTENNA TUNER
- **AH-2b**: ANTENNA TUNER
- **AH-740**: AUTOMATIC TUNING ANTENNA

### EXTERNAL SPEAKERS

- **SP-23**: 4 audio filters; headphone jack; max. input power: 5W
- **SP-33**: Wooden box speaker; max. input power: 5W
- **SP-34**: 4 audio filters; headphone jack; max. input power: 5W

### DESKTOP MICROPHONES

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- **MS-30**: Compact, lightweight electret microphone.

### HF+50MHz AUTOMATIC LINEAR AMPLIFIER

- **IC-PW1EURO**: 1kW

### ANTENNA

- **Tuner System**: Direct Sampling Superhetodyne

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