

HF/50 MHz Base Station

FT-2000 Series



Shown with after-market keyer paddle, keyboard, and monitor (not supplied). Optional Data Management Unit (DMU-2000) and monitor are required for viewing of Audio Scope and other display features.

The radio... YAESU
Choice of the World's top DX'ers

| Specifications | FT-2000 100 W Version | FT-2000D 200 W Version |
|-----------------------------------|---|--|
| General Specifications | | |
| Rx Frequency Range | 30 kHz - 60 MHz (operating) 160 - 6 m (specified performance, Amateur bands only) | |
| Tx Frequency Ranges | 160 - 6 m (Amateur bands only) | |
| Frequency Stability | ±0.5 ppm (@77° F/25° C) | |
| Operating Temperature Range | 14° F ~ +122° F (−10° C ~ +50° C) | |
| Emission Modes | A1A (CW), A3E (AM), J3E (LSB, USB), F3E (FM), F1B (RTTY), F1D (PACKET), F2D (PACKET) | |
| Frequency Steps | 1/10 Hz (SSB, CW, & AM), 100 Hz (FM) | |
| Antenna Impedance | 50 Ohms, unbalanced 16.7 - 150 Ohms, unbalanced (Tuner ON, 160 - 10 m Amateur bands) 25 - 100 Ohms, unbalanced (Tuner ON, 6 m Amateur band) | |
| Power Consumption (@117 VAC) | Rx (no signal) 70 VA Rx (signal present) 80 VA Tx (100 W) 450 VA Tx (200 W) 720 VA | |
| Supply Voltage | AC: 90 VAC - 132 VAC or 180 VAC- 264 VAC DC: 13.8 V ±10 % | |
| Dimensions (WxHxD) | 16.1" x 5.3" x 13.8" (410 x 135 x 350 mm) | |
| Weight (approx.) | 33 lbs (15 kg) | 38.5 lbs (17.5 kg) |
| Transmitter Specifications | | |
| Power Output | 5 W ~ 100 W 2 W ~ 25 W (AM) | 10 W ~ 200 W Class-A (SSB) 10 W ~ 75 W 5 W ~ 50 W (AM) |
| Modulation Types | J3E (SSB): Balanced, A3E (AM): Low-Level (Early Stage), F3E (FM): Variable Reactance | |
| Maximum FM Deviation | ±5.0 kHz/±2.5 kHz | |
| Harmonic Radiation | Better than -60 dB (160 - 10m Amateur bands) Better than -70 dB (6m Amateur band) | |
| SSB Carrier Suppression | At least 60 dB below peak output | |
| Undesired Sideband Suppression | At least 60 dB below peak output | |
| Audio Response (SSB) | Not more than -6 dB from 300 to 2700 Hz | |
| 3rd-order IMD | -31 dB (14 MHz 100 W) | -31 dB (14 MHz 200 W) -45 dB (14 MHz 75 W Class-A) |
| Microphone Impedance | 600 Ohms (200 to 10 kOhms) | |

| | FT-2000 100 W Version | FT-2000D 200 W Version |
|--------------------------------|---|------------------------|
| Receiver Specifications | | |
| Circuit Type | Main (VFO-A); Triple-conversion superheterodyne Sub (VFO-B); Double-conversion superheterodyne | |
| Intermediate Frequencies | Main (VFO-A); 69.450 MHz/450 kHz/30 kHz (24 kHz for AM/FM), Sub (VFO-B); 40.455 MHz/455 kHz | |
| Sensitivity (RF AMP 2 "ON") | SSB (2.4 kHz, 10 dB S+N/N) 2 µV (0.1 - 1.8 MHz) 0.2 µV (1.8 - 30 MHz) 0.125 µV (50 - 54 MHz) AM (6 kHz, 10 dB S+N/N, 30 % modulation @400 Hz) 6 µV (0.1 - 1.8 MHz) 2 µV (1.8 - 30 MHz) 1 µV (50 - 54 MHz) FM (BW: 15 kHz, 12 dB SINAD) 0.5 µV (28 - 30 MHz) 0.35 µV (50 - 54 MHz) | |
| Selectivity | Main (VFO-A) Mode -6 dB -60 dB CW/RTTY/PKT 0.5 kHz or better 750 Hz or less SSB 2.4 kHz or better 3.6 kHz or less AM 6 kHz or better 15 kHz or less FM 15 kHz or better 25 kHz or less (WIDTH: Center, VRF: OFF) Sub (VFO-B) Mode -6 dB -60 dB CW/RTTY/PKT 1.1 kHz or better 3.0 kHz or less SSB 2.2 kHz or better 4.5 kHz or less AM 6 kHz or better 25 kHz or less FM 12 kHz or better 30 kHz or less | |
| Image Rejection | 70 dB or better (160 - 10m Amateur bands) 60 dB or better (6m Amateur band) | |
| Maximum Audio Output | 2.5 W into 4 Ohms with 10% THD | |
| Audio Output Impedance | 4 to 8 Ohms (4 Ohms: nominal) | |
| Conducted Radiation | Less than 4000 µµW | |

FP-2000 (External Power Supply for FT-2000D) Specifications

| | |
|--------------------------------|---|
| Power Requirements | AC90V~264V 50/60Hz |
| Current Consumption (@117V AC) | Typ. 720 VA maximum (with FT-2000D switched on) |
| Output Voltage | DC50V / 10A, DC13.8V / 5A |
| Weight (approx.) | 8.8 lbs (4 kg) |
| Dimensions (WxHxD) | 3.9" x 5.3" x 13.8" (100×135×350 mm) |

DMU-2000 Data Management Unit Specifications

| | |
|--------------------------------|---|
| Power Requirements | AC90V~264V 50/60Hz |
| Current Consumption (@117V AC) | Typ. 50 VA |
| Weight (approx.) | 6.8 lbs (3.1 kg) |
| Dimensions (WxHxD) | 3.9" x 5.3" x 13.8" (100×135×350 mm) (without knobs/switches) |

Specifications are subject to change, in the interest of technical improvement, without notice or obligation, and are guaranteed only within the amateur bands.

About this brochure: We have made this brochure as comprehensive and factual as possible. We reserve the right, however, to make changes at any time in equipment, optional accessories, specifications, model numbers, and availability. Precise frequency range may be different in some countries. Some accessories shown herein may not be available in some countries. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details.



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