

# FOR SALE

Yaesu 1000 Base Station

\$1000.00



## Wonderful HF radio

- Adjustable power up to 200 watts
- Five Direct Digital Synthesizers
- QRM Rejection Systems
- 100 Memories
- Optimized Digital Communications Modes
- Simultaneous Dual (Unlimited) Frequency Reception
- Flexible Mode and IF Filter
- Automatic Antenna Tuner with 39 memories
- Special Features for CW Operation
- Enhanced Integration = Simplified Control

### GENERAL

RX Frequency Range:

100 kHz ~ 30 MHz

|                                 |  |
|---------------------------------|--|
| TX Frequency ranges:            | 160 ~ 10m amateur bands only                                 |
| Freq. Accuracy:                 | <±5 ppm (except FM <±100 Hz)                                 |
| Freq. Stability:                | <±2 ppm (0 °C ~ 50°C) (except FM <±200 Hz)                   |
|                                 | <±0.5 ppm (-10°C ~ 60°C) w/TCXO-1 (FM <±150 Hz 0°C ~ 50°C)   |
| Emission Modes:                 | LSB, USB (J3E), CW (A1A), FSK (J1D, J2D), AM (A3E), FM (F3E) |
| Basic Frequency Steps:          | 10 Hz for J3E, A1A and J1D                                   |
|                                 | 100 Hz for AM and FMA3E, F3E and J2D                         |
| Antenna Impedance:              | 16.5 to 150 Ohm, 50 Ohm nominal                              |
| Supply Voltage:                 | 100, 110, 117, 200, 220 or 234 VAC, 50/60 Hz                 |
| Power Consumption (approx.):    | 95 VA Receive, 1050 VA for 200 watts transmit                |
| Dimensions (WHD):               | 420 x 150 x 375 mm   |
| Weight (approx.):               | 51 lbs. (25.5 kg.)   |
| <b>TRANSMITTER</b>              |  |
| Power Output:                   | adjustable up to 200 watts (50 watts AM Carrier)             |
| Duty Cycle:                     | 100% @ 100 watts, 50% @ 200 watts (FM & RTTY, 3-minute TX)   |
| Modulation Types:               | SSB: Balanced, Filtered Carrier                              |
|                                 | AM: Low level (early stage)                                  |
|                                 | FM: Variable Reactance                                       |
|                                 | FSK: Audio Frequency Shift Keying                            |
| Maximum FM Deviation:           | ±2.5 kHz   |
| FSK Shift Frequencies:          | 170, 425 and 850 Hz  |
| Packet Shift Frequencies:       | 200, 1000 Hz   |
| Harmonic Radiation:             | at least 50dB below peak output                              |
| SSB carrier suppression:        | at least 40dB below peak output                              |
| Undesired sideband suppression: | at least 50dB below peak output                              |
| Audio response (SSB):           | not more than -6dB from 400 to 2800 Hz                       |
| 3rd-order IMD:                  | -36 dB @ 150 watts PEP, -31 dB @ 200 watts PEP, or better    |
| Microphone Impedance:           | 500 to 600 Ohm   |
| <b>RECEIVER</b>                 |  |
| Circuit type:                   | quad-conversion superheterodyne (triple conversion for FM)   |
| Intermediate Frequencies:       | 73.62 and 8.215 MHz and 455 and 100 kHz                      |

| Sensitivity (For 10 dB S/N): |               |               |               |              |
|------------------------------|---------------|---------------|---------------|--------------|
| Frequency                    | 100 ~ 250 kHz | 250 ~ 500 kHz | 0.5 ~ 1.8 MHz | 1.8 ~ 30 MHz |
| Mode                         |               |               |               |              |
| SSB, CW (2.4 kHz)            | 1.25 uV       | 1 uV          | 2 uV          | 0.25 uV      |
| AM (6 kHz)                   | 10 uV         | 8 uV          | 16 uV         | 1 uV         |
| 29 MHz FM (12 dB SINAD)      | -             | -             | -             | 0.5 uV       |

| Selectivity (-6 / -60 dB): |                  |             |               |
|----------------------------|------------------|-------------|---------------|
| Button                     | Modes            | Min -6dB BW | Max -60 dB BW |
| 2.4 kHz                    | all except FM    | 2.2 kHz     | 3.8 kHz       |
| 2.0 kHz                    | all exc. AM, FM  | 1.8 kHz     | 3.6 kHz       |
| 500 Hz                     | CW, RTTY, Packet | 500 Hz      | 1.2 kHz       |
| 250 Hz                     | CW, RTTY         | 240 Hz      | 700 Hz        |
| -                          | AM (Wide)        | 6 kHz       | 14 kHz        |

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|---|--|---------------|---------------|--------------|
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| Mode  |  |               |               |              |
| SSB, CW (2.4 kHz)   | 1.25 uV                                  | 1 uV          | 2 uV          | 0.25 uV      |
| AM (6 kHz)  | 10 uV                                    | 8 uV          | 16 uV         | 1 uV         |
| 29 MHz FM (12 dB SINAD)   | -  | -             | -             | 0.5 uV       |
| Dynamic Range:  | 108 dB (@ 50 kHz, 500 Hz BW, RF amp off) |               |               |              |
| Squelch sensitivity:  | 1.8 ~ 30 MHz: (CW, SSB, AM): <2.0uV      |               |               |              |
|   | 28 ~ 30 MHz: (FM):                       | <0.32uV       |               |              |
| IF rejection (1.8 ~ 30 MHz):  | 80 dB or better (Main RX)                |               |               |              |
| Image rejection: (1.8 ~ 30 MHz):  | 80 dB or better (Main)                   |               |               |              |
| IF shift range:   | ±1.12 kHz                                |               |               |              |
| Max audio output:   | 2W into 4 Ohms with < 10% THD            |               |               |              |
| Audio output impedance:   | 4 to 8 Ohm                               |               |               |              |
| Specifications subject to change, in the interest of technical improvement, without notice or obligation. |  |               |               |              |

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