

Top-Notch.



VBT, notch, IF shift, wide dynamic range

TS-830S

Now most Amateurs can afford a high-performance SSB/CW transceiver with every conceivable operating feature built in for 160 through 10 meters (including the three new bands). The TS-830S combines a high dynamic range with variable bandwidth tuning (VBT), IF shift, and an IF notch filter, as well as very sharp filters in the 455-kHz second IF. Its optional VFO-230 remote digital VFO provides five memories.

TS-830S FEATURES:

- **160-10 meters, including three new bands**
Covers all Amateur bands from 1.8 to 29.7 MHz (LSB, USB, and CW), including the new 10, 18, and 24-MHz bands. Receives WWV on 10 MHz.
- **Wide receiver dynamic range**
Junction FETs (with optimum IMD characteristics and low noise figure) in the balanced mixer, a MOSFET RF amplifier operating at low level for improved dynamic range (high amplification level not needed because of low noise in mixer), dual resonator for each band, and advanced overall receiver design result in excellent dynamic range.

- **Variable bandwidth tuning (VBT)**
Continuously varies the IF filter passband width to reduce interference. VBT and IF shift can be controlled independently for optimum interference rejection in any condition.
- **IF notch filter**
Tunable high-Q active circuit in 455-kHz second IF, for sharp, deep notch characteristics.
- **IF shift**
Shifts IF passband toward higher or lower frequencies (away from interfering signals) while tuned receiver frequency remains unchanged.
- **Various IF filter options**
Either a 500-Hz (YK-88C) or 270-Hz (YK-88CN) CW filter may be installed in the 8.83-MHz first IF, and a very sharp 500-Hz (YG-455C) or 250-Hz (YG-455CN) CW filter is available for the 455-kHz second IF.
- **Built-in digital display**
Six-digit large fluorescent tube display, backed up by an analog dial. Reads actual receive and transmit frequency on all modes and all bands. Display Hold (DH) switch.
- **Adjustable noise-blanker level**
Built-in noise blanker eliminates pulse-type (such as ignition) noise. Front-panel threshold level control.

- **6146B final with RF NFB**
Two 6146B's in the final amplifier provide 220 W PEP (SSB)/180 W DC (CW) input on all bands. RF negative feedback provides optimum IMD characteristics for high-quality transmission.
 - **More flexibility with optional digital VFO**
VFO-230 operates in 20-Hz steps and includes five memories. Also allows split-frequency operation. Built-in digital display. Covers about 100 kHz above and below each 500-kHz band.
 - **Built-in RF speech processor**
For added audio punch and increased talk power in DX pileups.
 - **RIT/XIT**
Receiver incremental tuning (RIT) shifts only the receiver frequency, to tune in stations slightly off frequency. Transmitter incremental tuning (XIT) shifts only the transmitter frequency.
 - **SSB monitor circuit**
Monitors IF stage while transmitting, to determine audio quality and effect of speech processor. Ask your Authorized Kenwood Dealer about the many operating features offered by the TS-830S... at a very reasonable price!
- NOTE:** Price, specifications subject to change without notice and obligation.

MATCHING ACCESSORIES FOR FIXED-STATION OPERATION:

- SP-230 external speaker with selectable audio filters
 - VFO-230 external digital VFO with 20-Hz steps, five memories, digital display
 - AT-230 antenna tuner/ SWR and power meter
 - MC-50 desk microphone
 - YG-455C (500-Hz) and YG-455CN (250-Hz) CW filters for 455-kHz IF
 - YK-88C (500-Hz) and YK-88CN (270-Hz) CW filters for 8.83-MHz IF
 - HC-10 digital world clock
 - HS-5 and HS-4 headphones
 - MC-30S and MC-35S noise-cancelling hand microphones
- Other accessories not shown:**
- TL-922A linear amplifier
 - SM-220 Station Monitor
 - PC-1 phone patch

