

TS-180S with DFC

High quality...top performance,
with optimum features

The top-of-the-line TS-180S all solid-state HF SSB/CW/FSK transceiver with DFC (Digital Frequency Control) provides maximum performance and efficiency for every amateur.

TS-180S FEATURES:

- All solid-state. 200 W PEP/160 W DC input on 160-15 meters, and 160 W PEP/140 W DC on 10 meters. Adaptable to three new bands.

- Dual SSB filter (optional) to improve selectivity, reduce noise, and improve RF-speech-processor operation.
- Digital Frequency Control (DFC), including four memories with digital up/down paddle-switch tuning in 20-Hz steps. Memories operate in transceiver or split modes. (Also available without DFC.)
- IF shift (passband tuning).

- Built-in digital display with differential function. Shows actual VFO frequency and difference between VFO and "M1" memory (or "hold" without DFC) frequencies.
- Selectable wide and narrow CW bandwidth.

- Tunable noise blanker.
- RF AGC.

- Automatic selection of upper and lower sideband (with SSB NORMAL/REVERSE switch).
- Dual RIT (VFO, memory/fix).

OPTIONAL ACCESSORIES:

- PS-30 base-station power supply.
- SP-180 external speaker with selectable audio filters.
- VFO-180 remote VFO.
- AT-180 antenna tuner/SWR and power meter/antenna switch.
- DF-180 digital frequency control (for TS-180S without DFC).
- YK-88C (500 Hz) and YK-88CN (270 Hz) CW filters.
- YK-88S SSB filter for dual IF filter system.



PS-30

SP-180

TS-180S

VFO-180

TS-520SE

"Cents-ability" in a quality 160-10 meter
SSB/CW rig

The TS-520SE is an economical, full-featured 160-10 meter transceiver, found in more ham shacks than any other rig.

TS-520SE FEATURES:

- 160-10 meters... and receives WWV on 15 MHz.
- 200 W PEP (SSB)/160 W DC (CW) input on all bands.

- CW WIDE/NARROW bandwidth switch for use with optional 500-Hz CW filter.
- Speech processor for extra audio punch.
- Effective noise blanker.
- 20-dB RF attenuator.
- RIT (receiver incremental tuning) control.

- Digital display with optional DG-5, showing actual operating frequency while transmitting and receiving.
- Eight-pole crystal filter for excellent selectivity.
- Built-in 25-kHz calibrator, adjustable to WWV.
- VOX and semi-break-in CW with sidetone.
- Built-in speaker.
- Solid-state, with tube driver and final.

- Amplified-type AGC circuit.
- Amplified-type ALC.
- Front-panel carrier level control.

OPTIONAL ACCESSORIES:

- SP-520 external speaker.
- DG-5 digital frequency display and 40-MHz counter.
- VFO-520S remote VFO.
- CW-520 500-Hz CW filter.
- AT-200 antenna tuner/SWR and RF power meter/antenna switch.



SP-520

TS-520SE

VFO-520S