

IC-718



SPECIFICATIONS

GENERAL

- Frequency range :
 - Rx 0.030-29.999999 MHz**
 - Tx 1.800- 1.999999 MHz** 3.500- 3.999999 MHz**
 - 7.000- 7.300000 MHz 10.100- 10.150000 MHz
 - 14.000-14.350000 MHz 18.068-18.168000 MHz
 - 21.000-21.450000 MHz 24.890-24.990000 MHz
 - 28.000-29.700000 MHz

**Guaranteed range: 0.5-29.999999 MHz

**varies according to version

- Mode : USB, LSB, CW, RTTY (FSK), AM
- No. of memory Ch. : 101 (99 regular, 2 scan edges)
- Frequency resolution : 1 Hz
- Frequency stability : Less than ± 200 Hz from 1 min. to 60 min. after power ON. After that rate of stability less than ± 30 Hz/hr. at +25°C (+77°F). Temperature fluctuations 0°C to +50°C (+32°F to +122°F) less than ± 350 Hz

• Power supply requirement: 13.8 V DC $\pm 15\%$ (negative ground)

• Current drain (at 13.8 V DC):

Receive	Stand-by	1.3 A
	max. audio	2.0 A
Transmit	max. power	20.0 A

• Operatable temp. range : -10°C to +60°C; +14°F to +140°F

- Antenna connector : SO-239 (50 Ω)
- Dimensions : 240(W) \times 95(H) \times 239(D) mm (projections not included)
- Weight (approx.) : 3.8 kg; 8 lb 6 oz
- ACC connector : 13-pin
- REMOTE connector : 2-conductor 3.5 (d) mm ($1/8$ ")

TRANSMITTER

- Modulation system :
 - SSB : Balanced modulation
 - AM : Low level modulation
- Output power :
 - SSB, CW, RTTY : 2-100 W
 - AM : 2-40 W
- Spurious emissions : Less than -50 dB below peak output power

*spurious freq.: below 30 MHz: -50 dB, above 30 MHz: -60 dB

- Carrier suppression : More than 40 dB
- Unwanted sideband : More than 50 dB
- Microphone connector : 8-pin connector (600 Ω)
- KEY connector : 3-conductor 6.5 (d) mm ($1/4$ ")
- SEND connector : Phono (RCA)
- ALC connector : Phono (RCA)

RECEIVER

- Receiver system : Double-conversion superheterodyne
- Sensitivity (10 dB S/N) :
 - SSB, CW, RTTY : 0.16 μ V (1.8-29.999999 MHz)
 - AM : 13 μ V (0.5-1.799999 MHz)
 - 2 μ V (1.8-29.999999 MHz)
 - Less than 5.6 μ V (SSB)

- SQL sensitivity : More than 2.1 kHz/-6 dB
- Selectivity :
 - SSB, CW, RTTY : Less than 4.5 kHz/-60 dB
 - AM : More than 6.0 kHz/-6 dB
 - Less than 20 kHz/-40 dB

- Spurious and image rejection ratio : More than 70 dB (1.8-29.999999 MHz)
- Audio output power (at 13.8 V DC) : More than 2.0 W at 10% distortion with an 8 Ω load
- RIT variable range : ± 1200 Hz
- PHONES connector : 3-conductor 6.5 (d) mm ($1/4$ ")
- EXT SP connector : 2-conductor 3.5 (d) mm ($1/8$ ")/8 Ω

Supplied accessories:

- Hand microphone
- DC power cable
- Spare fuses

All stated specifications are typical and subject to change without notice or obligations.

OPTIONS



IC-PW1/IC-PW1EURO
HF+50 MHz 1 kW
HF LINEAR AMPLIFIER

Covers all HF and 50 MHz bands, provides clean, stable 1 kW output. Automatic antenna tuner and compact detachable controller are standard. 2 exciter inputs are available. (An optional OPC-599 is required.)



AH-2b ANTENNA ELEMENT
For mobile operation with the AH-4. All bands between 7-30 MHz can be matched.



AH-4 HF+50 MHz AUTOMATIC ANTENNA TUNER
Covers 3.5-30 MHz with a 7 m (23 ft) or longer wire antenna.



AT-180 AUTOMATIC ANTENNA TUNER
Compact, light weight antenna tuner.



PS-125 DC POWER SUPPLY
Compact power supply with high current capability. Output: 13.8 V DC (25 A max.)



SP-23 EXTERNAL SPEAKER
4 audio filters, front mounted headphone jack. (Not available for EU countries)



SP-21 EXTERNAL SPEAKER
Input impedance: 8 Ω
Max. input power: 5W
SP-20 is also available. (Not available for EU countries)



SM-20 DESKTOP MICROPHONE
High quality desktop microphone. Includes [UP]/[DOWN] switches and low cut function.



HM-36 HAND MICROPHONE
Same as that supplied.



CT-17 CI-V LEVEL CONVERTER
For remote transceiver control from a PC equipped with an RS-232C port.



CR-338 HIGH STABILITY CRYSTAL UNIT
POC type crystal oscillator for improved frequency stability. Frequency stability: ± 0.5 ppm



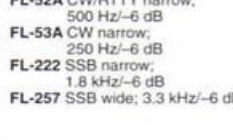
UT-102 VOICE SYNTHESIZER
Announces the operating mode, frequency and signal strength level, etc.



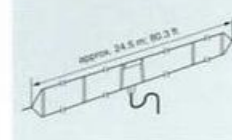
UT-106 DSP UNIT
Provides AF DSP functions, such as noise reduction and auto notch. Already installed with some versions.



455 kHz FILTERS
Have good shape factor and provide you with better reception.



FL-52A CW/RTTY narrow; 500 Hz/-6 dB
FL-53A CW narrow; 250 Hz/-6 dB
FL-222 SSB narrow; 1.8 kHz/-6 dB
FL-257 SSB wide; 3.3 kHz/-6 dB



AH-710 FOLDED DIPOLE ANTENNA
Covers from 1.9 to 30 MHz band. Has a PL-259 connector. Easy to assemble (non-kink construction).

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