

SECTION 1 SPECIFICATIONS

• Frequency coverage:

| Version | Frequency coverage (MHz) |
|---------------------|--------------------------|
| U.S.A | 0.10000– 823.99999 |
| | 849.00001– 868.99999 |
| | 894.00001–1999.99999* |
| Europe Australia | 0.10000–1999.99999* |
| France | 0.10000– 87.50000 |
| | 108.00000–1999.99999* |

*Specifications guaranteed 0.1–1000 and 1240–1300 MHz.

- Mode : SSB (USB, LSB)
CW (Normal, Narrow*)
AM (Wide, Normal, Narrow)
FM (Normal, Narrow)
WFM
*Optional FL-52A is required
- Number of memory: 1000 memory channels
plus 20 scan edge channels
and 1 priority channel
- Antenna connector: below 30 MHz SO-239 (50 Ω)
Phono; RCA (500 Ω)
above 30 MHz Type-N (50 Ω)
- Usable temperature: –10 °C to +50 °C; +14 °F to +122 °F
range
- Frequency stability : below 30 MHz ±100 Hz (±20 Hz*)
above 30 MHz ±3 ppm (±0.6 ppm*)
*When the optional CR-293 is installed.
- Tuning steps : 10, 50, 100 Hz or 1, 2.5, 5, 9, 10,
12.5, 20, 25, 100 kHz or 1 MHz or
Programmable (0.5–199.5 kHz/
0.5 kHz step)
- Power supply requirement : 13.8 V DC ±15 % (negative ground)
or domestic AC with AD-55/A/V
- Current drain : Stand-by 1.8 A
Max. audio 2.0 A
(at 13.8 V DC)
- Dimensions : 287 (W) × 112 (H) × 309 (D) mm
11.3 (W) × 4.4 (H) × 12.2 (D) in
(projections not included)
- Weight : 7.0 kg; 15.4 lb
- Receive system : Superheterodyne system
- Intermediate frequencies

| Frequency band (MHz) | 1st (MHz) | 2nd (MHz) | 3rd (kHz) |
|----------------------|-----------|-----------|-----------|
| 0.1– 29.99999 | 48.8 | 10.7 | 455* |
| 30.0– 499.99999 | 778.7 | 10.7 | 455* |
| 500.0–1024.99999 | 266.7 | 10.7 | 455* |

Note: Converter system is adopted above 1025 MHz.

Using local freq. of 500, 1000 or 1010 MHz.

*Except WFM

• Sensitivity :

| Frequency band (MHz) | Mode | | | | | |
|-----------------------|---------|---------|--------|--------|---------|--------|
| | SSB/CW | AM | AM-N | AM-W | FM | WFM |
| 0.1– 0.49999 | 1.0 μV | 6.3 μV | – | – | – | – |
| 0.5– 1.79999 | 2.0 μV | 13.0 μV | – | – | – | – |
| 1.8– 1.99999 | 0.25 μV | 3.2 μV | 2.5 μV | – | – | – |
| 2.0– 29.99999 | 0.2 μV | 2.5 μV | 2.0 μV | – | 0.5 μV* | – |
| 30.0– 999.99999 | 0.32 μV | 2.5 μV | 2.0 μV | 3.2 μV | 0.5 μV | 1.4 μV |
| 1240.0– 1300.00000 | 0.32 μV | 2.5 μV | 2.0 μV | 3.2 μV | 0.5 μV | 2.0 μV |

Note: SSB, CW, and AM modes are measured at 10 dB S/N; FM and WFM modes are measured at 12 dB SINAD.

*0.5 μV is guaranteed in higher than 28 MHz for FM mode.

- Squelch sensitivity :
1.8–29.99999 MHz (threshold/tight)
SSB, CW, AM-N 10 μV/320 mV
AM, AM-W 0.5 μV/320 mV
28–29.99999 MHz (threshold/tight)
FM 0.5 μV/320 mV
30–1000, 1240–1300 MHz (threshold/tight)
FM, AM, AM-W 0.4 μV/320 mV
WFM, SSB, CW, AM-N 4.5 μV/320 mV
- Selectivity :
WFM More than 150 kHz/– 6 dB
FM, AM-W More than 12 kHz/– 6 dB
FM-N, AM More than 5.5 kHz/– 6 dB
AM-N, SSB, CW, More than 2.2 kHz/– 6 dB
CW-N (option) More than 0.5 kHz/– 6 dB
- Spurious and image rejection ratio
1.8–29.99999 MHz More than 60 dB
30–1000, 1240–1300 MHz 50 dB (typ.)
- Audio output power: More than 2.0 W at 10 %
(at 13.8 V DC) distortion with an 8 Ω load
- IF shift variable : More than ±1.2 kHz
range
- External speaker : 2-conductor 3.5 (d) mm (1/8") / 4–8 Ω
connector
- RS-232C connector: D-sub 25
- CI-V connector : 2-conductor 3.5 (d) mm (1/8")
- 10.7 MHz IF out : Phono; RCA (50 Ω)
connector
- AGC connector : Phono; RCA
- REC connector : 2-conductor 3.5 (d) mm (1/8")
- REC REMOTE : 2-conductor 3.5 (d) mm (1/8")
connector
- PHONES : 3-conductor 6.35 (d) mm (1/4")
connector

All stated specifications are subject to change without notice or obligation.