TK-7302(H)V/8302(H)U
Compact VHF/UHF FM Mobile Radios

GENERAL FEATURES
- 25 / 50 W (136-174 MHz) Models
- 25 / 45 W (450-520 MHz) Models
- Conventional Zones
- 16 Channels / 2 Zones
- Single Priority Scan
- Single / Multi-Zone Scan
- 2-Digit LED Channel Display
- Function/Status LED Dots
- Blue Function/Status LED
- Transmit /Busy / Call Alert LED
- Backlit Keys
- 9 Programmable Function Keys
- Emergency / AUX Key
- Front Panel Speaker
- Compressed Audio
- Voice CH# Announcement (8 Languages)
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Encryption / Board Control
- Emergency Call Features
- Lone Worker Alert

QT / DQT
- Operator Selectable Tone
- Two-Tone Decode
- Single & Two-Tone Encode
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Busy Channel Lockout
- Time Out Timer
- Timed Power Off
- DB15 Accessory Interface
- 8 Programmable I/O Ports
- Ignition Sense
- Public Address / Horn Alert Output
- MIL-Spec Standard Mic
- MIL-Spec 12-Key DTMF Mic Option
- Windows® Programming & Tuning
- Cloning
- MIL-STD-810 C/D/E/F
- IP-54 Water & Dust Intrusion

FleetSync® /II (FM)
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Status Messaging
- Emergency Status
- Input / Output Status Messages
- FleetSync® GPS Ready
- Send GPS PF Key
- PTT ID & Emergency GPS Reporting
- Ignition On/Off GPS Reporting

MDC-1200
- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit
Options

- **KMC-35** Microphone (Supplied)
- **KES-3** External Speaker
- **KLM-2** Line Filter
- **KCT-60** DB 15-to-15 Pin Molex Adaptor Cable

- **KMC-36** Microphone with Keypad
- **KES-5** External Speaker (requires KCT-60 option)
- **KCT-18** Ignition Sense Cable (requires KCT-60 option)

- **KMC-9C** Desktop Microphone
- **KMB-10** Key Lock Adapter
- **KCT-36** 3m Extension Cable (for KCT-60)
- **KES-3** External Speaker
- **KES-5** External Speaker (requires KCT-60 option)

All accessories and options may not be available in all markets. Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>TK-7302V</th>
<th>TK-7302HV</th>
<th>TK-8302U</th>
<th>TK-8302HU</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>136-174 MHz</td>
<td>450-520 MHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Channels</td>
<td>Zone 2</td>
<td>Max. 16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>25 kHz/12.5 kHz</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Operating Voltage</td>
<td>13.6V DC ±15%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Drain</td>
<td>Standby 0.4 A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Receive 1.0 A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transmit 8.0 A</td>
<td>14.0 A</td>
<td>8.0 A</td>
<td>14.0 A</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-22°F ~ +140°F [-30°C ~ +60°C]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Stability</td>
<td>±2 ppm [-30°C ~ +60°C]</td>
<td></td>
<td></td>
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<tr>
<td>Antenna Impedance</td>
<td>50 Ω</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>6.3” x 1.7” x 5.4” (160 x 43 x 137 mm)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Weight (Net)</td>
<td>41.6oz (1,180g)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCC ID</td>
<td>K44407600</td>
<td>K44407601</td>
<td>K44407700</td>
<td>K44407702</td>
</tr>
</tbody>
</table>

RECEIVER (Measurements made per TIA/EIA-603)

- Sensitivity (12 dB SINAD) Wide: 0.28 µV, Narrow: 0.35 µV
- Selectivity
  - Wide: 75 dB
  - Narrow: 65 dB
- Intermodulation Distortion
  - Wide: 70 dB
  - Narrow: 60 dB
- Spurious Response: 75 dB
- Audio Output (4 Ω Impedance) 4 W with less than 5% distortion

TRANSMITTER (Measurements made per TIA/EIA-603)

- RF Power Output
  - Wide: 5 W ~ 25 W
  - Narrow: 5 W ~ 35 W
  - 5 W ~ 45 W
- Spurious Response: 70 dB
- Type of Emission
  - Wide: 16KØ F3E
  - Narrow: 11KØ F3E
- FM Hum & Noise
  - Wide: 45 dB
  - Narrow: 40 dB
- Microphone Impedance: 600 Ω
- Audio Distortion
  - Less than 5%

Specifications are subject to change without notice, due to advancements in technology.

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Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

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Applicable MIL-STD & IP

Standard | MIL 810C Methods/Procedures | MIL 810D Methods/Procedures | MIL 810E Methods/Procedures | MIL 810F Methods/Procedures
---|---|---|---|---
Low Pressure | S01.1/Procedure I | S02.1/Procedure I, II | S03.1/Procedure I, II | S04.1/Procedure I, II
High Temperature | S01.1/Procedure I, II | S02.1/Procedure I, II | S03.1/Procedure I, II | S04.1/Procedure I, II
Low Temperature | S01.2/Procedure I, II | S02.2/Procedure I, II | S03.2/Procedure I, II | S04.2/Procedure I, II
Temperature Shock | S01.3/Procedure I | S02.3/Procedure I | S03.3/Procedure I | S04.3/Procedure I
Solar Radiation | S01.4/Procedure I | S02.4/Procedure I | S03.4/Procedure I | S04.4/Procedure I
Rain* | S06.1/Procedure I, II | S06.1/Procedure I, II | S06.1/Procedure I, II | S06.1/Procedure I, II
Humidity | S01.5/Procedure I, II | S02.5/Procedure I, II | S03.5/Procedure I, II | S04.5/Procedure I, II
Salt Fog* | S05.1/Procedure I | S05.2/Procedure I | S05.3/Procedure I | S05.4/Procedure I
Dust* | S10.1/Procedure I | S10.2/Procedure I | S10.3/Procedure I | S10.4/Procedure I

International Protection Standard

Dust & Water Protection** | IP54

* These MIL-STD and IP54 compliance categories require a KMC-35/36 microphone to be connected, the DB-15 connector to have supplied cover installed and KCT-xx cables or external speakers installed.

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