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)
- **KMC-36** Microphone with Keypad
- **KMC-9C** Desktop Microphone
- **KES-3** External Speaker
- **KES-5** External Speaker (requires KCT-60 option)
- **KCT-18** Ignition Sense Cable (requires KCT-60 option)
- **KLF-2** Line Filter
- **KCT-26** 3m Extension Cable (for KCT-60)
- **KCT-60** DB 15-to-15 Pin Molex Adapter Cable

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><strong>GENERAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>133-174 MHz</td>
<td>450-520 MHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Channels</td>
<td>2</td>
<td></td>
<td>Max. 16</td>
<td></td>
</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>0.4 A</td>
<td></td>
<td>1.0 A</td>
<td></td>
</tr>
<tr>
<td>Transmit</td>
<td>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>±0.5 ppm</td>
<td></td>
<td>±0.5 ppm</td>
<td></td>
</tr>
<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>
</tr>
<tr>
<td>Weight (Net)</td>
<td>41.6 oz</td>
<td></td>
<td>1,180 g</td>
<td></td>
</tr>
</tbody>
</table>

Kenwood follows a policy of continuous advancement in development. For this reason specifications may be changed without notice.

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* These devices have not been authorized as required by the rules of the Federal Communications Commission. These devices are not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

Applicable MIL-STD & IP

<table>
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<th>Standard</th>
<th>MIL 810C Methods/Procedures</th>
<th>MIL 810D Methods/Procedures</th>
<th>MIL 810E Methods/Procedures</th>
<th>MIL 810F Methods/Procedures</th>
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</thead>
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<tr>
<td>Low Pressure</td>
<td>S00.1/Procedure I</td>
<td>S00.2/Procedure I, II</td>
<td>S00.3/Procedure I, II</td>
<td>S00.4/Procedure I, II</td>
</tr>
<tr>
<td>High Temperature</td>
<td>S01.1/Procedure I, II</td>
<td>S01.2/Procedure I, II</td>
<td>S01.3/Procedure I, II</td>
<td>S01.4/Procedure I, II</td>
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<tr>
<td>Low Temperature</td>
<td>S02.1/Procedure I</td>
<td>S02.2/Procedure I, II</td>
<td>S02.3/Procedure I, II</td>
<td>S02.4/Procedure I, II</td>
</tr>
<tr>
<td>Temperature Shock</td>
<td>S03.1/Procedure I</td>
<td>S03.2/Procedure I</td>
<td>S03.3/Procedure I, II</td>
<td>S03.4/Procedure I, II</td>
</tr>
<tr>
<td>Solar Radiation</td>
<td>S05.1/Procedure I</td>
<td>S05.2/Procedure I</td>
<td>S05.3/Procedure I, II</td>
<td>S05.4/Procedure I, II</td>
</tr>
<tr>
<td>Rain*</td>
<td>S06.1/Procedure I</td>
<td>S06.2/Procedure I, II</td>
<td>S06.3/Procedure I, II</td>
<td>S06.4/Procedure I, III</td>
</tr>
<tr>
<td>Humidity</td>
<td>S07.1/Procedure I, II</td>
<td>S07.2/Procedure I, II</td>
<td>S07.3/Procedure I, II</td>
<td>S07.4/Procedure I</td>
</tr>
<tr>
<td>Salt Fog*</td>
<td>S09.1/Procedure I</td>
<td>S09.2/Procedure I</td>
<td>S09.3/Procedure I</td>
<td>S09.4/Procedure I</td>
</tr>
<tr>
<td>Dust*</td>
<td>S10.1/Procedure I</td>
<td>S10.2/Procedure I, II</td>
<td>S10.3/Procedure I, II</td>
<td>S10.4/Procedure I, III</td>
</tr>
</tbody>
</table>

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International Protection Standard

- Dust & Water Protection**: IP54

*2: 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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