**CATV TRACKER OTM750** series meters are handheld TV signal level meters designed for CATV Installers and Cable management personnel. The OTM750 has a RF signal microcomputer that can easily measure the main technical indexes of a CATV system. The main features include: A/V ratio measurement; double channel measurements; trunk line voltage measurement; single channel frequency and digital average power measurement.

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### Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range:</td>
<td>50~870 MHz.</td>
</tr>
<tr>
<td>Test Bandwidth:</td>
<td>280 ± 50 KHz</td>
</tr>
<tr>
<td>Resolution:</td>
<td>50 KHz</td>
</tr>
<tr>
<td>Channels:</td>
<td>Indian, USA, H.K. and other channels (made by user assign)</td>
</tr>
<tr>
<td>Level Range:</td>
<td>30 ~ 120 dBμV</td>
</tr>
<tr>
<td>Accuracy:</td>
<td>±1.5 (under room temperature) ±2.5(-10 ~ +40°C) dBuV</td>
</tr>
<tr>
<td>Impedance:</td>
<td>75 (BNC or F connector) Ω</td>
</tr>
<tr>
<td>Connect Type:</td>
<td>F type female, imperial thread</td>
</tr>
<tr>
<td>Power Supply:</td>
<td>AC220/DC7.2, 50Hz V</td>
</tr>
<tr>
<td>Battery:</td>
<td>rechargeable battery Ah</td>
</tr>
<tr>
<td>Charging Time:</td>
<td>6~8 Hr</td>
</tr>
<tr>
<td>Working Time:</td>
<td>&gt;6 Hr</td>
</tr>
<tr>
<td>Operating Temperature:</td>
<td>-20 ~ 40 °C</td>
</tr>
<tr>
<td>Storage Temperature:</td>
<td>-25 ~ 45 °C</td>
</tr>
<tr>
<td>Dimension:</td>
<td>160 (L)* 130 (W)*65 (H) mm</td>
</tr>
<tr>
<td>Weight:</td>
<td>0.8 Kg</td>
</tr>
</tbody>
</table>
Very Important Please Read:

CATV Tracker meters are shipped with the internal battery disconnected. Please remove protective orange cover to access battery compartment located on the back of unit. Connect battery and charge for 4-5 hours for the initial first charge.

Auto Power-off Time Setting:

The CATV Tracker has a power savings option. The unit powers off automatically after 5 minutes. To bypass the power save option rest6art the unit holding down the power button for 10 seconds until you hear two buzz sounds. Restarting the unit will default to energy save mode.

Single Channel Frequencies:

The Single Channel Frequencies and Digital Average power Measurements. **Press Power key to enter into single channel measurement condition (as shown in Fig. 2.2)**

![Fig. 2.2](image)

Change a Channel

- In single channel measurement mode, press left and right keys to change the channel.
- Press desired channel number on keypad and press CHAN/ENTE to change.

*Note: The channel number must be working channel if not you will get a invalid screen.*
Example 1: input channel 10
Type in <1 0 CHAN/ENTER >
Example 2: input channel 17
Type in <1 7 CHAN/ENTER >

Change the measuring frequency
- Set the meter to frequency adjustment mode (displaying a LEVEL on the top right corner), press left and right keys to change the measuring frequency with 50K step forward.

- Press numeral keys directly and enter into numeric entry mode, type in the frequency and press MHZ/ESC to change the frequency.
Example 1: input 123.5MHz
Type in < 123.5 MHZ/ESC >
Example 2: input 99 MHz
Type in < 99 MHZ/ESC >

- In frequency measurement mode, the key MHZ/ESC is volume key.

Digital Average Power Measurements
In channel measuring mode press the 0 / DIGI key, the channel switches between digital channel and analog channel, CHD displayed on the left of a channel means this is the digital channel.

A/V Ration Measurement:
In analog single channel measurement mode to press key FUN/SET, and select the first icon ( )
and press enter key (CHAN/ENTER), the menu enter into A/V ratio measurement mode.(as shown in Fig. 2.3)
This screen will display the frequency and FI value of image and sound carrier frequency and their D-value. Press **MHZ/ESC** key back to last measuring menu.

**Double Channel Measurement Mode:**

In frequency measuring mode press the **FUN/SET** key and select the second group icon (Double Channel Measurement), then press the enter **CHAN/ENTER** key as shown in Fig. 2.4.
Press **FUN/SET** key to choose a channel, you will see an underline under the channel you select and press left and right keys to adjust and set the channel. Press 0/ DIGI key to switch between analog and digital channels, press **MHZ/ESC** back to last menu.

**Trunk line Voltage Measurement:**

In single channel or frequency measuring condition, press key **FUN/SET** and choose the VOLT icon.

Press key **CHAN/ENTER** to enter into trunk line voltage measurement mode.(As shown in Fig. 2.5)

![VOLT](image)

Fig. 2.5

When the trunk line voltage is detected, the meter will identify the voltage as AC or DC, and displays voltage value on the screen.

**Specifications:**

- Dimension: 160mm×130mm×65mm
- Net weight: <600g
- Working temperature: -20℃ ~ +45℃ super wide working temperature
- Audio output: built-in speaker
- DC Power: DC AA5# batteries
- AC Power: 110 V-260 V
**Accessories:**

- Authorized charger: 1 piece
- RF input connector: double F 2 pieces
- Meter bag: 1 piece
- Manual: 1 piece

**Warranty:**

The CATV Tracker meter has one year limited warranty.

**Not Covered Under Warranty**

1. Panel, switch and chassis damaged by mechanical external force Impact or any type of moisture or water damage.
2. Unauthorized disassemble and repair.
3. Loading or modifying internal software.
4. Battery damaged by not using supplied AC/DC chargers.
5. Batteries are covered for 6 months after purchase date.

*Please keep your receipt of purchase to verify purchase date.*