User Instruction Guide

Operation
1. Turn the Micro Counter on by moving the 3 position slide switch on the side of the Micro Counter to the top position.
2. The Micro Counter will now be in NORMAL mode displaying a free running frequency.
3. Press the slide switch in once. The counter is now in FILTER mode displaying 0 000.
4. Press the slide switch in a second time. The counter is now in CAPTURE mode displaying 0 000.
5. Move the slide switch to the middle position. The counter is now in RECALL mode.

Modes
NORMAL
A.) The Micro Counter is in NORMAL mode when a free running frequency is displayed. The Micro Counter will lock onto a transmitted signal and display the frequency as long as the signal is transmitting. Once the signal stops transmitting the Micro Counter will go back to free running frequency display.
B.) There are three possible gate settings on the Micro Counter while in NORMAL mode, with resolution of 1kHz, 100Hz, and 10Hz. To change the gate time on the Micro Counter press either one of the buttons on the front panel of the Micro Counter.

FILTER
A.) The Micro Counter is in FILTER mode when 0 000 is displayed. The Micro Counter will lock on to a transmitted signal and display the frequency, with the frequency remaining on the display until the Micro Counter locks onto another signal. When locking onto a signal in FILTER mode the frequency will not be logged into memory.
B.) There are three possible gate settings on the Micro Counter while in FILTER mode, with resolution of 1kHz, 100Hz, and 10Hz. To change the gate time on the Micro Counter press either one of the buttons on the front panel of the Micro Counter.

CAPTURE
A.) The Micro Counter is in CAPTURE mode when 0 000 is displayed. The Micro Counter will CAPTURE a transmitted signal and then display the captured frequency on the display and log that frequency into one of three memory locations.
B.) Each frequency logged into memory has either a 001, 002, or 003 to the left of the frequency to indicate where each frequency is located in memory. When all three memory locations have been filled up a padlock symbol will be displayed to the far left side of the display.
C.) When in CAPTURE mode the only gate setting available is 1kHz resolution.
D.) When in CAPTURE mode the buttons on the front panel are not operational.
RECALL

A.) To enter RECALL mode move the slide switch to the middle position.
B.) To recall the frequencies in memory use the two buttons located on the front of the Micro Counter to scroll through the memories.
C.) To clear the memory of the Micro Counter, press and hold the up arrow button on the front of the Micro Counter while turning the unit on.
D.) The Micro Counter will only store three unique frequencies into memory. If the memory of the Micro Counter is full and a new frequency is captured the frequency will not be logged into memory.

LCD Display Symbols

1. Padlock: Memory Full
2. Display test sequence: All LCD annunciators on for one second followed by OPTO for one second.

Antenna Input & Battery

ANTENNA

The 2.5mm input jack located under the slide switch allows for direct connection of the model TMC-100 antenna (optional).

BATTERY

The Micro Counter operates from a AA 1.5V alkaline battery (equipped with unit). The unit will operate up to 8 hours.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>10MHz - 1.2GHz</td>
</tr>
<tr>
<td>Input Impedance</td>
<td>50 Ohm</td>
</tr>
<tr>
<td>Max Input</td>
<td>+15dBm (50mW)</td>
</tr>
<tr>
<td>Time Base</td>
<td>10MHz</td>
</tr>
<tr>
<td>Display</td>
<td>12 Digit LCD</td>
</tr>
<tr>
<td>Size</td>
<td>2.8” x 1.9” x 1.1”</td>
</tr>
<tr>
<td>Power</td>
<td>1.5V AA Alkaline cell, 8 hour operation</td>
</tr>
<tr>
<td>Input Sensitivity</td>
<td>&lt;5mV @ 150MHz</td>
</tr>
<tr>
<td>Gate</td>
<td>3 Selectable gate times</td>
</tr>
<tr>
<td>Memory</td>
<td>3 memory locations</td>
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