FG085 Function Generator
Quick Use Guide
Applicable Model: 08503, 08503K, and 08504K

--- Panel & Connectors ---

- Frequency or period
- Waveform
- DC offset
- Cursor
- Correction or exit
- Incremental adjustment (push for setting change)
- Select Mode
- Select parameter
- Data entry
- Select waveform
- Select unit
- Output connector
- Power ON/OFF
- USB connector
- Power connector (central pole positive)
- LCD contrast adjustment
- U5 program
- U6 program
- Alternative USB connector

--- Headers & Adjustment ---

- Incremental Adjustment
- Select parameter and turn [ADJ] dial
- [MODE] + (Turn [ADJ] to select) + [WF]

--- Operating ---

1. Constant Waveform (CW) Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set Frequency or Period</td>
<td>[F/T] + [Data Entry Keys *] + [Unit Key]</td>
</tr>
<tr>
<td>Set Amplitude</td>
<td>[AMP] + [Data Entry Keys *] + [Unit Key]</td>
</tr>
<tr>
<td>Set Offset</td>
<td>[OFS] + [Data Entry Keys *] + [Unit Key]</td>
</tr>
<tr>
<td>Incremental</td>
<td>Adjust Select parameter and turn [ADJ] dial</td>
</tr>
<tr>
<td>Adjustment</td>
<td></td>
</tr>
</tbody>
</table>

* Note: Use [ESC] to correct or cancel input

2. Servo Position Mode

<table>
<thead>
<tr>
<th>Function</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set Pulse Width</td>
<td>[F/T] + [Data Entry Keys *] + [Unit Key]</td>
</tr>
<tr>
<td>Set Amplitude</td>
<td>[AMP] + [Data Entry Keys *] + [Unit Key]</td>
</tr>
<tr>
<td>Incremental</td>
<td>Adjust Select parameter and turn [ADJ] dial</td>
</tr>
<tr>
<td>Adjustment</td>
<td></td>
</tr>
<tr>
<td>Change Settings</td>
<td>Push [ADJ] (refer to detailed manual)</td>
</tr>
</tbody>
</table>

* Note: Use [ESC] to correct or cancel input

3. Servo Run Mode

Use [WF] key to start and hold servo running.

4. Mode Selection

[MODE] + (Turn [ADJ] to select) + [WF]

--- Specification ---

- Frequency range: 0 - 200KHz (Sine)
- Frequency resolution: 1Hz
- Frequency accuracy: 100 ppm
- Period resolutions: 1ms
- Amplitude range: 0 - 10V peak-to-peak
- D.C. offset range: -5V +5V
- Waveform memory length: 256 bytes
- Sample rate: 2.5Msps
- Output impedance: 50 ohm
- Power supply voltage: 15V DC +/- 10%
- Current consumption: < 150mA (without loading)

Please visit www.jyetech.com for detailed manual and related documents