

Module Operation Manual

1. Button



Left: Move cursor left / Increase value

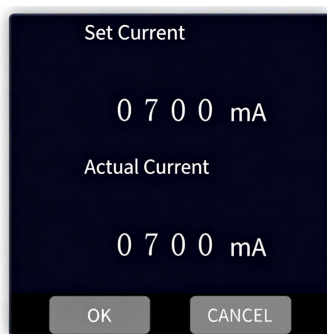


OK: Confirm / Enter edit mode



Right: Move cursor right / Decrease value

2. Interface Overview



- There are 5 interfaces, switched by ◀ ▶ keys.
- Each interface follows the same layout: Top title + Setpoint value + Actual value + Bottom button bar.

3. Basic Operations

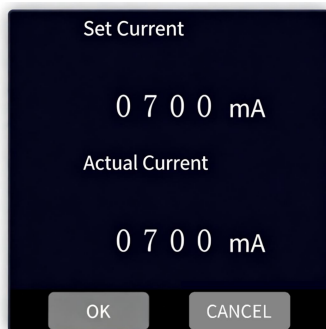
- Switch interfaces: In standby mode, press Left ◀ or Right ▶ key to cycle among the 5 interfaces.
- Start modification: Press OK to enter edit mode. OK/CANCEL buttons appear at the bottom, and white highlighted cursor shows on digit positions.
- Move cursor: Press Left / Right ◀ ▶ key to move cursor between digits and buttons.
- Adjust value: When cursor is on a digit position, press OK to enter editing. Digits flash green. Press Left ◀ key to increase, Right ▶ key to decrease. Press OK to exit after adjustment.
- Confirm or cancel: Move cursor to OK button and press OK to save. Move cursor to CANCEL button and press OK to discard changes.

4. Interface Description

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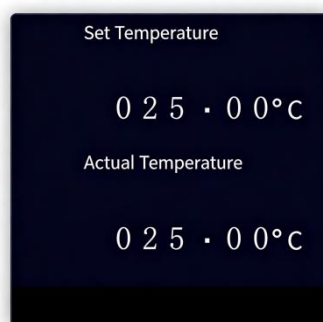
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4.1. Set Current / Actual Current



- Range: 0 ~ Maximum current limit (700 mA by default)
- Step: Thousands / Hundreds / Tens / Units, step value 1000 / 100 / 10 / 1

4.2. Set Temperature / Actual Temperature



- Range: -40.00 ~ 150.00 °C
- Format: DDD.DD, 5- digit editing, step value 10000 / 1000 / 100 / 10 / 1

4.3. Laser Switch



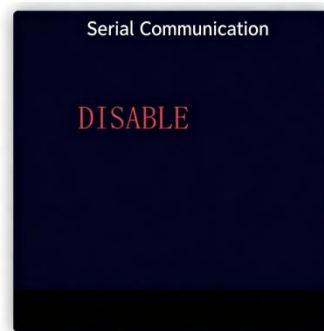
- Operation: Toggle ON / OFF

4.4. Save Parameters



- Operation: Toggle SAVE / CANCEL
- Note: When SAVE is confirmed, all parameters are saved to internal Flash and retained after power- off.

4.5. Serial Communication



- Operation: Toggle DISABLE ↔ ENABLE
- Note: When ENABLE is active, upper computer takes over control; keys can only exit this mode.

5. Shortcut Operation

- Press Left + Right  keys simultaneously to toggle laser on/off. Valid in standby mode on any interface.

6. Notes

- After parameter saving, green Done ^{Done} appears at bottom bar indicating success, auto-disappears in about 0.5 seconds.
- Current setting is constrained by maximum current limit; values exceeding upper limit will be clamped automatically.
- When serial communication is enabled, interface switching and laser shortcut are locked; only exit operation is allowed.
- After exiting serial - communication mode, device reconnects automatically and synchronizes parameters.