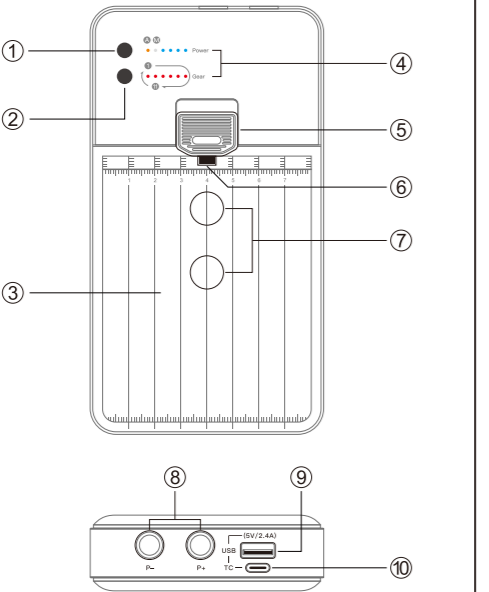


# AWithZ

## MC1 Transplant Cell Spot Welder Instruction Manual

### Product Introduction

#### Panel Introduction



① Power ON/OFF Key

② Gear Switching Key

③ Maintenance Platform

④ Indicators

⑤ Spot Welder Buckle

⑥ Spot Welder Holder

⑦ Fixed Magnet

⑧ Output Port

⑨ USB Output

⑩ Type-C Charging Port

A Automatic Mode

M Manual Mode

1. Power ON/OFF Key

See the chapter of key description for details.

2. Gear Switching Key

See the chapter of key description for details.

3. Maintenance Platform

Small maintenance platform, can be used as a fixed bracket, positioning, transplanting cell, etc.

4. Indicators

There are 12 lights in two rows which are corresponding to the gear, mode, power, please refer to the chapter of indicators for details.

5. Spot Welder Holder Buckle

It is used to snap the core protection plate on the spot welder when transplanting the core.

6. Spot Welder Holder

Replaces the positive pole of the spot welding pen, in which the user can hold the negative pole of the pen single spot welding when transplanting the core.

7. Fixed Magnet

Fixed magnet of repair bench, can be used to fix the core to be transplanted on the maintenance with a magnet peg.

⑦ Fixed Magnet

⑧ Output Port

⑨ USB Output

⑩ Type-C Charging Port

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8. Output Port

For the installation of spot welding pen use, please keep the interface clean to avoid short connection.

9. USB Output

Can provide temporary power supply for cell phones, USB lights and other devices.

10. Type-C Charging Port

Type-C charging port, which could be accessed in the positive and negative way and is used to charge the device.

Key Description and Key Combination Function

Power ON/OFF Key

Press and hold the key for 2 seconds to power on/off the device.

System Reset:

Press and hold this key for 10 seconds to reset the whole system.

Manual Spot Weld Output:

In manual mode, when two welding pens are detected to be in contact with metal, the weld pen would output once when shortly pressing this key once.

Gear Switching Key

Switching gears:

Shortly press the key to switch gears. There are 11 gears. When the output gear is set to the highest gear, then shortly press the key will revert to the 1st gear, during which the indicator will change accordingly. For the indicator of the corresponding gear, please turn to the chapter about indicator.

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Switching mode :

Press and hold the key for more than 2 seconds to switch between manual mode and automatic mode. In automatic mode, the welding pen will detect automatically and output once when two pens are detected to be in contact with metal. In manual mode, when two pens are detected to be in contact with metal, after shortly pressing the " Power ON/OFF Key", the pen will output once. The current mode can be judged by the indicator light, please refer to the relevant chapter for the description of the indicator light.

Key Combination (Power ON/OFF Key + Gear Switching Key)

Ultra-low power mode:

Press and hold the "Power ON/OFF Key" and "Gear Switching Key" at the same time for more than 2 seconds, the device enters the ultra-low power mode, charging or press and hold the key to turn on the device will release the machine from the ultra-low power mode.

Instruction for Indicator Light

A M Power

1 Gear

This spot welder has 12 indicators in two rows, the indicators have three colors, which are the yellow light representing the manual/automatic mode, the blue light representing the power, and the red light representing the gear, the number of lights on and the position of the indicators represent different meanings.

1. Mode indicator (from left to right):

It is automatic mode now

It is manual mode now

2. Power indicator:

Remaining power 75%-100%

Remaining power 50%-75%

Remaining power 25%-50%

Remaining power 5%-25%

Remaining power <5%

3. Gear indicator (from left to right):

1st gear (low gear)

2nd gear

3rd gear

4th gear

5th gear

6th gear

7th gear

8th gear

9th gear

10th gear

11th gears (high gear)

Automatic Shutdown

The product will automatically shut down when there is no operation for 8 minutes.

Temperature Control Protection

1. In the spot welding function mode, the temperature would be between -10°C and 60°C. When the temperature is higher or lower than the upper or the lower limit respectively, the product will enter into the protection mode, under which any spot welding is prohibited.

2. When charging, the temperature range is between 0°C and 60°C. When the temperature is higher or lower than the upper or the lower limit respectively, the product will enter into the protection mode, under which any spot welding is prohibited.

Steps for Transplanted Battery Cell of Spot Welding

1. Slide the spot welder holder buckle upward, place the cell protection plate so that its positive/negative pole is flat on the spot welder holder, and then slowly release the spot welder holder buckle to hold the protection plate in place.

2. Place the positive and negative electrodes of the core and the positive and negative electrodes of the protection plate on the spot welder holder, and use the magnet to fix the core on the maintenance table.

3. Hold the spot welding pen negative pole for spot welding with one hand. Please pay attention to the gear. It is recommended to use a low gear.

4. After the positive and negative electrode spot welding is completed by the above method, slide the buckle, and then remove the already integrated core and protection plate.

Warning: the spot welding seat is conductive, please note that the positive and negative electrodes of the core/protection plate should not be shorted to avoid accidents.

Q & A

Q : What operations are prohibited?

A: 1. Please do not modify, disassemble or repair this product by yourself without permission.

2. It is strictly forbidden to make the product contact with any liquid. Please do not immerse the product in water or get it wet. Do not use the machine in the rain or in a humid environment.

3. The product is recommended to be used in the ambient temperature between 15°C and 50°C. If use the product beyond the temperature range, it would affect the spot welding effect and service life of the spot welding machine.

Q : Would please give some notes about charging?

A: 1. When the power is lower than 25%, the output power will drop and the spot welding effect will be weakened, the best effect is to keep the power at 75% or more when spot welding, and this product supports charging while using.

2. When the power of the spot welding machine is low, please charge it in a timely manner by using the charger with 5V/2.1A or higher to achieve the fastest charging effect.

3. When the product is charging, the power indicator will be flashing with frequency. When the power indicator is fully lit and stops flashing, it indicates that charging is completed.

Q : How to store the spot welder?

A: Please store the spot welder after it is fully charged and re-charge and discharge it every 2-3 months or so to keep the battery active.

Q : What about the tips for welding?

A: 1. When conduct spot welding, please gently put the spot welding pen on the nickel piece, do not press the spot welding pen, and make two soldering needle welding point be closer. If the welding point is blackened, please adjust the gear to the lower level; in case of weld pool, please adjust the gear to the higher level. Before welding, you can try on the blade, stainless steel bowl and other surfaces larger iron stainless steel, and the welding would be much easier for welding battery.

After using the spot welding pen repeatedly for a while, the welding needle may be oxidated. If the welding performance decline, it is recommended to use 1,000 mesh sponge sandpaper gently polished or gently grind off the blackened part with a file.

Steps for 18650 Battery of Spot Welding

1. Make sure both ends of the battery are flat and clean without rust and corrosion.

2. Make sure the nickel sheet is flat and clean.

3. Install the spot welding pen, set the spot welding machine gear, press properly to make good contact between the welding needle and nickel sheet, nickel sheet and battery, no overhang, no poor contact.

4. Wait for the welding current output.

Note: You can try different gears and pressing force until the welding strength reaches the highest level. It should be noted that the higher the gear would not realize the firmer welding results.

Product Parameter

Basic Specification

Product Name Transplant Cell Spot Welder

Model Type MC1

Gear Setting Adjustment among 11 gears

Spot Welding Mode Automatic / Manual Gear

Size of Product About 165\*90\*30mm

Input/ Output

Input Interface Type-C Charging Port

Input Parameters 5V/2.1A (MAX)

Output Voltage 4.2V (MAX)

Output Current 650A (MAX)

USB Output 5V/2.4A (MAX)

Battery

Working Temperature -10~60°C

Charging Temperature 0~60°C