



# Handheld Spot Welder

## WITH DIGITAL DISPLAY



**Docreate-757**

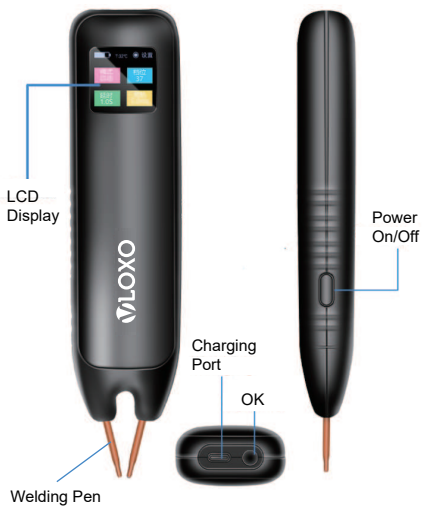
**User Manual**

**English**

[contact@vloxo.com](mailto:contact@vloxo.com)

# Product Introduction

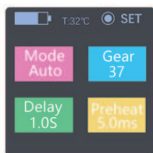
## Panel Introduction



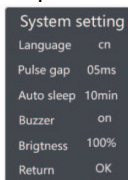
# Panel Introduction

## Introduction for Main Interface







Main interface








Setup interface



## Introduction of Main Interface Display

Display	Description
	<p>Indicates the current power level of the unit.</p> <ul style="list-style-type: none"><li> Remaining power &lt;25%.</li><li> Remaining power. 25-50%.</li><li> Remaining power 50-75%.</li><li> Remaining power 75-100%.</li></ul> <p>When charging, the icon flashes to indicate charging and stops flashing when fully charged.</p>
	<p><b>Spot welding mode:</b> Adjustable, with manual mode and automatic mode.</p> <p><b>Automatic mode:</b> When the welding pen fully touches the material, it waits for a delay and automatically triggers the spot weld.</p> <p><b>Manual mode:</b> When the pen fully touches the material, press "Power On/Off " to start spot welding immediately.</p>

Display	Description
	<b>Spot welding main pulse:</b> Adjustable, adjustment range 1-99. The higher the gear, the greater the output power.
	<b>Spot welding time delay:</b> Adjustable, adjustment range 0.5-5.0s.  The time delay of spot welding only works in automatic mode.  When the welding pen fully touches the material, it waits for a delay and automatically triggers the spot weld.
	<b>Preheat:</b> Adjustable, range 0-9.9 ms. Preheat pulse can remove the oxide layer on the weld surface and improve the spot welding effect.
	<b>Setup:</b> Optional, press the OK button to enter the setup interface.
	Internal operating temperature of the device

## Introduction for Setup Interface

Display	Description
<b>Language</b>	System language switching
<b>Pulse gap</b>	Interval between preheating pulse and main pulse, adjustable range is 5-20 ms.
<b>Auto sleep</b>	When the device is not operated for a set period of time, it will automatically enter sleep mode to save power. The adjustable range is 5-60 minutes.
<b>Buzzer</b>	Buzzer switch
<b>Brightness</b>	Display brightness level, Adjustable range: 10%-100%
<b>Return</b>	Return to the main interface

# Button Operation Instructions

## Power On/Off Button

**Power On/Off:** Press and hold the button for more than 2 seconds to power on/off the device.

**Option Switch:** After power on, press the button to switch options.

**Manual Spot Welding Output:** In manual mode, when the two welding pens touch the weldment, instant press the button to trigger a spot welding; if the welding pens do not touch the weldment, the option will be switched.

## OK Button

**Option Adjustment:** Instant press the button to adjust the selected option once; Extended press the button to adjust the selected option continuously.

# Operation Steps



Press and hold the power on/off button for 2~3 seconds to turn on the device



Instant press the power on/off button to switch options



Press OK to adjust the range of the selected option



In automatic mode: Spot welding is automatically triggered after full contact with the material

In manual mode: Press "Power On/Off" to start spot welding after full contact with the material

### TIPS

1. The material to be welded should be within the applicable range of this product.
2. The pressure under the pen tip should be moderate, too much pressure will result in energy concentration.
3. Choose the appropriate welding gear. If the weld point is black, please lower the gear; if the molten pool is too small, please increase the gear.
4. Keep the welding pen smooth, clean and contact intact.
5. After using the spot welding pen repeatedly for a while, the welding needle may be oxidated. If the welding performance declines, it can be polished with the included sandpaper.

# Temperature Control Protection

To ensure the normal and safe operation of the device, an intelligent temperature detection system is installed inside the device.

When the temperature of the device is detected to be higher than 65°C, the device will cut off the charging input and prohibit spot welding until the temperature is lower than 63°C.

## Applications

The spot welder is suitable for assembling and repairing various cylindrical lithium batteries (18650, 21700, 26650, 32650), mobile phone batteries, button batteries, NiMH batteries, NiCd batteries; it is also suitable for spot welding of various thin nickel-plated sheets, stainless steel sheets and other materials with a thickness between 0.1-0.2mm.

Welding materials	Preheat pulse (ms)	Gear	Interval (ms)
0.10mm nickel sheet	2.0	13	15
0.12mm nickel sheet	3.0	25	15
0.15mm nickel sheet	4.0	45	10
0.20mm nickel sheet	7.0	70	8
0.25mm nickel sheet	9.0	90	8

### TIPS

Test conditions: When fully charged, use original copper needles, superimpose two layers of welding materials, and weld the standard until it is stable and does not collapse. This table is for reference only. The actual welding effect is affected by many factors.

It is also necessary for the user to try to adjust the specific parameters on this basis.



# Safety Warning

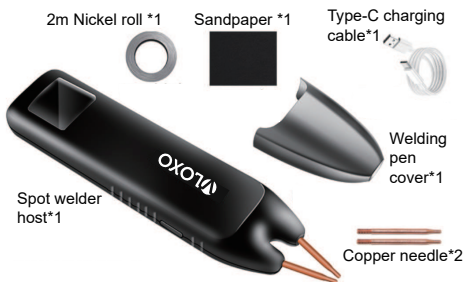
1. Do not modify, disassemble or repair this product by yourself.
2. Do not allow this product to contact any liquid, do not immerse this product in water or get it wet; do not use this product in rainy or humid environments.
3. This product is recommended to be used at an ambient temperature of  $15^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ; if it exceeds the use range, it will affect the spot welding effect and service life of the spot welder.
4. Do not charge with a charger above 5V-1A.
5. Be careful to prevent it from falling, as falling may damage internal components.
6. To maintain battery activity, please store the spot welder after fully charging, and recharge and discharge it every 1-2 months.

# Troubleshooting

Problem	Possible Cause	Solution
Unable to power on	Low battery	Connect the charger to charge
	Battery over-discharged	Contact customer service
	Battery failure	Contact customer service
Cannot charge?	Charger/charging cable is damaged	Replace charger / charging cable
	Charging failed	Contact customer service
No output, unstable welding, nickel penetration and other poor spot welding results	Battery too low	Charging the device
	Improper gear adjustment	Adjust the gear and try again
	Nickel sheet is not flat and clean	Polish with sandpaper to make it clean and smooth
	Spot welding pen tip oxidation	Polish the spot welding pen with sandpaper
	Unsuitable welding materials	Replace welding materials
Uncontrolled output	Output control power is damaged	Contact customer service
Abnormal screen display, blurred screen, etc.	Device severely affected by external electromagnetic interference	Shut down and restart the device
	Screen damage	Contact customer service

# Product Specifications

## Product List



## Product Parameter

Basic Specification	
Product name	Handheld Spot Welder with Digital Display
Product model	Dcreate-757
Screen type	1.33 inch TFT true color screen
Shell material	ABS
Product size	196*41*25mm (host+pen cover)
Product weight	About 143.6g (host+pen cover)
Input/Output	
Input interface	Type-C Charging Port
Charging input	DC 5V=1A
Output voltage	4.2V
Output current	800A (MAX)
Battery	
Battery capacity	3000 mAh
Charging time	<3 hours
Usage time	Depends on the specific gear (0.1mm nickel sheet can be spot welded 1000 times when fully charged)