

PORTABLE DESOLDERING IRON

OPERATION  
INSTRUCTION

English

Made in China

Thank you for purchasing this product. Please read the manual carefully before operating & keep this manual for future reference.

STATEMENT:

The company reserves the right to improve & upgrade products, product specifications & design are subject to change without notice.

● This product should not be thrown in the garbage. In accordance with the European directive 2012/19/EU, electronic equipment at the end of their life must be collected & returned to an authorized recycling facility. ● Este producto no debe desecharse en la basura. De acuerdo a la directiva europea 2012/19/EU, los equipos electrónicos al final de su vida se deberán recoger y trasladar a una planta de reciclaje autorizada. ● Dieses Produkt sollte nicht mit dem Hausmüll entsorgt werden. In Übereinstimmung mit der europäischen Richtlinie 2012/19/EU müssen elektronische Geräte am Ende ihrer Lebensdauer eingesammelt und einem autorisierten Recyclingbetrieb zugeführt werden.

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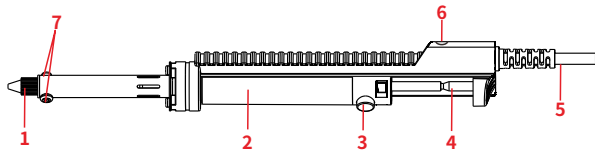
SPECIFICATION

Control unit dimensions	L265xW35xH27mm ±5mm
Operating ambient temperature	0°C~40°C/32°F~104°F
Nozzle diameter	Φ 1.2mm

I. APPLICATIONS

This unit is suitable for desoldering & specialized desoldering applications on through-hole components and other operation. This is especially suitable for desoldering through-hole components with multiple pins (for example: LCD screens, nixie tubes, integrated circuits/microchips, socket pins and more).

II. PART LIST



1. Desoldering Nozzle (Consumable Part)
2. Tin Storage Tube
3. Desoldering Button
4. Piston Rod
5. Power Cord
6. Heating Indicator
7. Locking Screw (Heating Element)

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III. OPERATION

1. Connect the desoldering iron's power cord to an electrical outlet, and the heating element will begin heating up.  
**NOTE: When using the desoldering nozzle for the first time, coat the nozzle with a new layer of solder (we recommend using rosin core solder) to prevent oxidization.**
2. Allow the desoldering iron to preheat for approximately 3 to 5 minutes, then, push down the piston rod.
3. Cover the component's pin with the desoldering nozzle, and melt the solder joint completely. Then, press the desoldering button to extract the solder completely.
4. When the operation is complete, DISCONNECT the power cord.

CAUTION:

- A. Melt the solder completely before pressing the desoldering button.
- B. If there are solder remains inside the PCB's hole, resolder. Then, repeat the desoldering procedures.
- C. If the component's pin is stuck on the sidewall inside the hole, and you are unable to extract the solder completely. Add solder to resolder, then, use the desoldering nozzle to melt the solder joint completely. Move the nozzle back-and-forth, and get the component's pins moving together with the nozzle. When the component's pins are no longer in contact with the sidewall of the hole, press the desoldering button to extract the solder completely.
- D. Clean the tin storage tube regularly to prevent ineffective desoldering caused by the over accumulation of scrap solder.

IV. MAINTENANCE & PRECAUTIONS

1. If a layer of oxidation forms on the surface of the desoldering nozzle, a misconception can be

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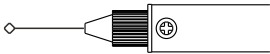
created that the nozzle cannot heat up properly to melt the solder and do the tinning. However, the actual temperatures of both the heating element and nozzle are high. In such an instance, please do not increase the temperature value confusedly but use a metal wool ball to remove the oxidization following the steps below:

**A. Allow the heating element to heat up for approximately 3 minutes, then, rub gently the desoldering nozzle inside the brass wool.**

**B. When the oxidation is partially removed, continue applying solder onto the desoldering nozzle while rubbing it until the nozzle is completely coated with solder. If the nozzle is too severely oxidized beyond cleaning, replace it with a new one.**

- 2. DO NOT use metal files to remove the oxidation on the desoldering nozzle. If the nozzle deforms or rusts, replace the desoldering nozzle with a new nozzle.
- 3. DO NOT apply excessive force on the desoldering nozzle when operating. Doing this will NOT IMPROVE the heat transfer but damage the desoldering nozzle instead.
- 4. After every operation, clean the desoldering nozzle, then tin the nozzle with a new layer of solder to prevent oxidization.

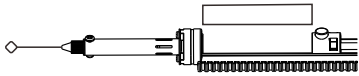
- 5. **Nozzle Cleaning**  
Allow the heating element to heat up for approximately 3 minutes, then, use the cleaning pin to clean the nozzle.



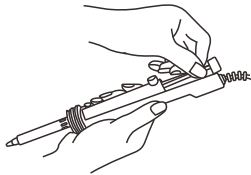
- 6. **Heating Element Cleaning**  
Remove the nozzle, tin storage tube when the heating element has cooled. Then, connect the

desoldering iron's power cord to an electrical outlet, allow the iron to heat up for approximately 3 minutes, then use the nozzle cleaning pins to clean the inner hole of the heating element.

It's a must to melt all the solder inside the inner hole before cleaning. Replace the heating element if the cleaning pin CANNOT be put through the inner hole.



- 7. **Storage Tube Cleaning**  
Turn OFF the power, and wait until the storage tube has cooled completely before cleaning the storage tube.



1. Lift up and pull out the storage tube



2. Separate the storage tube and clean the scrap solder out

## V. TROUBLESHOOTING GUIDE

The heating indicator turns ON but the heating element is not heating up – This is an indication that the heating element is faulty. To resolve this, you need to replace the heating element.