

PORTABLE DESOLDERING IRON

929D V1

OPERATION INSTRUCTION

English



Select the corresponding logo according to the nameplate.

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.

01

IMPORTANT SAFEGUARDS

When using electrical appliances, basic safety precautions should always be followed including the following:

CAUTION!!! WARNING!!!

Read instruction manual before using.

- To provide continued protection against risk of electric shock, connect to properly grounded outlets only.
- Do not immerse in water.
- Hot Surface. Avoid Contact.
- Shock Hazard. To provide continued protection against electric shock disconnect from the power supply when not in use.
- Heat gun, soldering iron, desoldering iron must be placed on its stand when not in use.
- HOUSEHOLD AND INDOOR USE ONLY.
- To prevent electric shock, unplug before replace the fuse and other service.
- Replace only with same type and rating of fuse.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The soldering iron and desoldering iron is only to be used with the power supply unit provided with the appliance.
- If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Any servicing should be performed by an authorized service representative AND that the product has no user serviceable parts.
- To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. Store indoors. Read instruction manual before using.
- A fire may result if the appliance is not used with care, therefore
 - be careful when using the appliance in places where there are combustible materials;
 - do not apply to the same place for a long time;
 - do not use in presence of an explosive atmosphere;
 - be aware that heat may be conducted to combustible materials that are out of sight;
 - place the appliance on its stand after use and allow it to cool down before storage;
 - do not leave the appliance unattended when it is switched on.
- To ensure personal safety, please turn off the power switch after work is completed; When not in use for an extended period, please unplug the power cord!!!
- The soldering iron should only be used for soldering. Do not hit the soldering iron against the work surface to remove flux residues (Can be cleaned by the cleaning device of the product), as doing so may seriously damage the soldering iron.
- Soldering produces fumes, ensure there is adequate ventilation.
- After used, remember that cooling the unit, the handle should be placed on the handle holder.
- Longer detachable power-supply cords are available and may be used if care is exercised in their use.
- If a long detachable power-supply cord is used:
 - The marked electrical rating of the detachable power-supply cord or extension cord should be at least as great as the electrical rating of the appliance;
 - The extension cord should be a grounding type 3-wire cord;
 - The longer cord should be arranged so that it will not drape over the countertop or tabletop where it can be tripped over, snagged, or pulled on unintentionally (especially by children).
- A short power-supply cord (or short detachable power-supply cord) is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
- When using the brass wool tip cleaner (rosin-inside), DO NOT inhale the fume generated or consume the solid-state rosin, DO NOT allow your skin and eyes to get in direct contact with the rosin.

SAVE THESE INSTRUCTIONS

02

03

04

II. SPECIFICATION

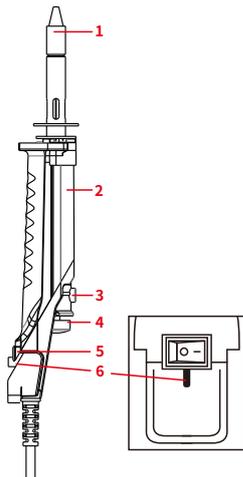
Control unit dimensions	L266xW40xH40mm ± 5mm
Operating ambient temperature	0°C~40°C/32°F~104°F
Nozzle diameter	Φ 1.2mm

III. 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).

IV. PART LIST

- Desoldering Nozzle (Consumable Part)
- Tin Storage Tube
- Desoldering Button
- Piston Rod
- Power Cord
- Power indicator



05

06

V. MAINTENANCE & PRECAUTIONS

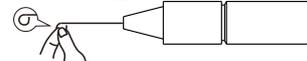
- If a layer of oxidation forms on the surface of the desoldering nozzle, the nozzle will not be able to melt solder or allow solder to adhere to the nozzle. In this instance, please use the brass wool tip cleaner to remove the oxidation in the following steps:
 - Allow the heating element to heat up for approximately 3 minutes, then, rub gently the desoldering nozzle inside the brass wool.
 - 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.

- DO NOT use metal files to remove the oxidation from the desoldering nozzle. If the nozzle deforms or rusts, replace the desoldering nozzle with a new nozzle.

- 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.

- After every operation, clean the desoldering nozzle, then tin the nozzle with a new layer of solder to prevent oxidation.

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



Warning: Hold and push the cleaning pin slowly as per image to avoid burn injuries!

07

I. OPERATION

- 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.
- Allow the desoldering iron to preheat for approximately 3 to 5 minutes, then, push down the piston rod.

- 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.

- When the operation is complete, DISCONNECT the power cord.

CAUTION:

- Melt the solder completely before pressing the desoldering button.
- If there are solder remains inside the PCB's hole, re-solder. Then, repeat the desoldering procedures.
- 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.
- Clean the tin storage tube regularly to prevent ineffective desoldering caused by the over accumulation of scrap solder.

6. Heating Element Cleaning

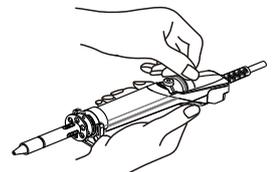
Remove the nozzle, tin storage tube when the heating element has cooled. Then, connect the desoldering iron's power cord to an electrical outlet, allow the iron to heat up for approximately 3 minutes, then use the nozzle cleaning pins to clean the inner hole of the heating element. It's a must to melt 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 (Weekly cleaning is recommended)

Power OFF and wait until the storage tube has cooled completely before cleaning the storage tube.

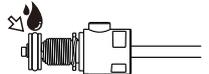
- Lift and remove the storage tube



- Separate the storage tube and remove the solder scrap



- Apply a small amount of bearing lubricant on the piston ring in a circular motion.



VI. TROUBLESHOOTING GUIDE

The heating indicator turns 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.