## V．TROUBLESHOOTING

1. The heating indicator turns ON, but the heating element is not heating up – This is an indication that the heating element may have been installed improperly, or the heating element is faulty. To resolve this, you need to re-install properly the heating element, or replace the heating element.

2. To replace the heating element:(The replacement MUST BE done only when the heating element has cooled completely.)

Remove the fastener→ Extract the heating element → Insert the new heating element → install the fastener
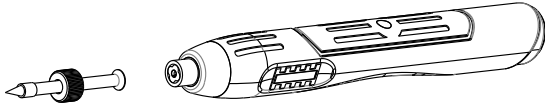
PORTABLE USB SOLDERING IRON

OPERATION INSTRUCTION

English

Made in China

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

Statement: The company reserves the right to improve & upgrade products, product specifications and 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 deberàn 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.
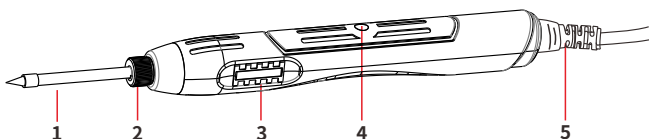
SPECIFICATION

Control unit dimensions	L166*W17*H17mm ±5mm
Operating ambient temperature	0℃～40℃/32°F～104°F
Display	LED

I. APPLICATION

The tool is suitable for soldering & desoldering applications on small through -hole and surface-mounted components. Applicable component packagings include SOP, DIP, SOIC and more.

II. PART LIST

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1. Heating Element (with Soldering Iron Tip)
2. Fastener
3. Sensor Pad
4. Heating Indicator Light
5. Power Cord

III. OPERATION

1. Connect the power cord to the soldering iron and the adaptor, then, place the soldering iron onto the soldering iron stand.

2. Connect the adaptor to an electrical outlet, and pick up the soldering iron. Ensure your finger is in contact with the sensor pad, then the heating indicator will turn ON, and the heating element will begin heating up. Begin operation after the soldering iron tip heats up to the optimal operating temperature.
   CAUTION: Upon the first use of the soldering iron tip - tin the tip with a layer of solder (use of rosin-core solder wire is recommended)when the soldering iron has been heating up for approximately 14 seconds.

3. When the operation is complete, use a wet sponge or brass wool to clean the solder residues off the soldering iron tip. Then, tin the soldering iron tip with a new layer of solder again. After tinning, place the soldering iron back to the iron stand. When your finger is no longer in contact with the sensor pad for approximately 25 seconds, the heating indicator will turn OFF, the heating element will stop heating up, and the soldering iron will then enter standby mode. If the soldering iron is not in use for an extended period, DISCONNECT the adaptor from the electrical outlet.

IV．MAINTENANCE & PRECAUTIONS

1. If a layer of oxidization forms on the surface of the soldering iron tip, a misconception can \ be created that the tip cannot heat up properly to melt the solder and do the tinning. However, the actual temperatures of both the heating element and tip 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 20 seconds, then, rub the soldering iron tip inside the brass wool gently.
   B. When the oxidization is partially removed, continue applying solder onto the soldering iron tip while rubbing it until the tip is completely coated with solder. If the tip is too severely oxidized beyond cleaning, replace it with a new one.

2. DO NOT use metal files to remove the oxidization on the soldering iron tip. If the soldering iron tip deforms or rusts, replace the soldering iron tip with a new tip.

3. DO NOT apply excessive force on the soldering iron tip when soldering. Doing this will NOT IMPROVE the heat transfer but damage the soldering iron tip instead.

4. After every operation, clean the soldering iron tip, then tin the tip with a new layer of solder to prevent oxidization.