Soldering Iron
Temperature-Adjustable

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.

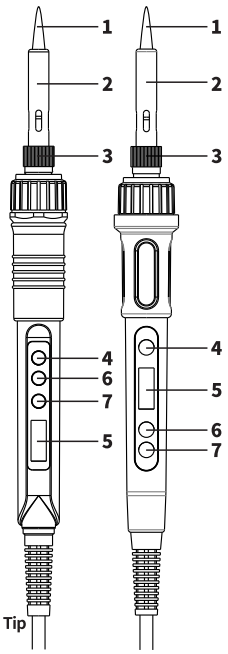
SPECIFICATION

Temperature range	200℃~500℃/392°F~932°F
Display	LCD
Main unit dimensions	L25*W25*204mm ±5mm
Operating ambient temperature	0~40℃/32~104°F
Storage temperature	-20~80℃/4~176°F
Storage humidity	35~45%

I. APPLICATIONS

This soldering iron is suitable for rework and soldering works on SMT and through-hole components such as SOP, DIP, SOIC, and more.

II. PART LIST



1. Soldering Iron Tip
2. Steel Tube
3. Fastener
4. Decrease Button (Temperature)
5. Temperature Display
6. Increase Button (Temperature)
7. Function Button (°C/°F Display Switch)

III. OPERATION

1. Place the soldering iron into the iron holder.

2. Connect the iron's power cord to an electrical outlet.

3. Press and hold the function button for approximately 2 seconds, and the soldering iron will begin heating. Set the desired temperature, and begin operation once the temperature stabilizes.

CAUTION: Upon the first use of the soldering iron, set the temperature to 250°C/482°F. When the iron is just hot enough to melt solder, coat the soldering iron tip with a layer of solder (the use of rosin core solder is recommended), then increase the temperature to your desired value.

4. When the operation is complete, use a dampened sponge or metal wool ball to clean the soldering iron tip. Tin the soldering iron tip with a new layer of solder, then put the soldering iron back to the holder. Then press and hold the function button for approximately 2 seconds to turn OFF the iron's power. DISCONNECT the power cord if the soldering iron is not in use for an extended period.

5. Digital Temperature Calibration:(Temperature discrepancies may occur due to the change in the operating environment, and the replacement of the heating element, soldering tip, or other parts. This function can help improve work efficiency and extend the lifespan of the soldering iron.)

   5-1. Press and hold the function button for approximately 2 seconds.
   5-2. Once the temperature rises to the set temperature, press and hold both the INCREASE and DECREASE buttons for approximately 2 seconds, then CAL and the set temperature value will alternate on the display.

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● 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

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02

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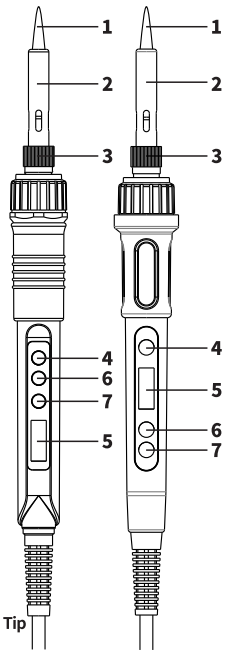

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04

5-3. Press the increase or decrease button to enter the measured temperature value. The system will calibrate the temperature automatically, save the data, and exit the setting interface when no further entries are detected for 6 seconds.

6. °C/°F Temperature Display : (This function complies with different user preferences for users in different regions.)
Press the function button to switch between the Fahrenheit or the Celsius temperature display mode.

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 soldering tip cannot heat up properly to melt the solder and do the tinning. But the actual temperatures of both the heating element and soldering 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. Set the temperature to 300°C (572°F).
B. Once the temperature stabilizes, gently rub the soldering iron tip inside the metal wool ball.
C. When the oxidization is partially removed, continue applying solder onto the tip while rubbing it until the soldering tip is completely coated with solder. If the tip is too severely oxidized beyond cleaning, replace the tip 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 forces on the soldering tip when soldering. Doing so will not only damage the iron tip but also not improve the heat transfer.

4. When placing the soldering iron back in the holder to idle after a high-temperature operation, adjust the temperature to 250°C(482°F) or below for idling. Failure to do so, and leaving the soldering iron tip to idle in a high-temperature setting will cause the accelerated aging of the heating element, and shorten the lifespan of the heating element and soldering iron tip.

5. After every operation, always clean and tin the iron tip with a layer of solder to prevent oxidization.

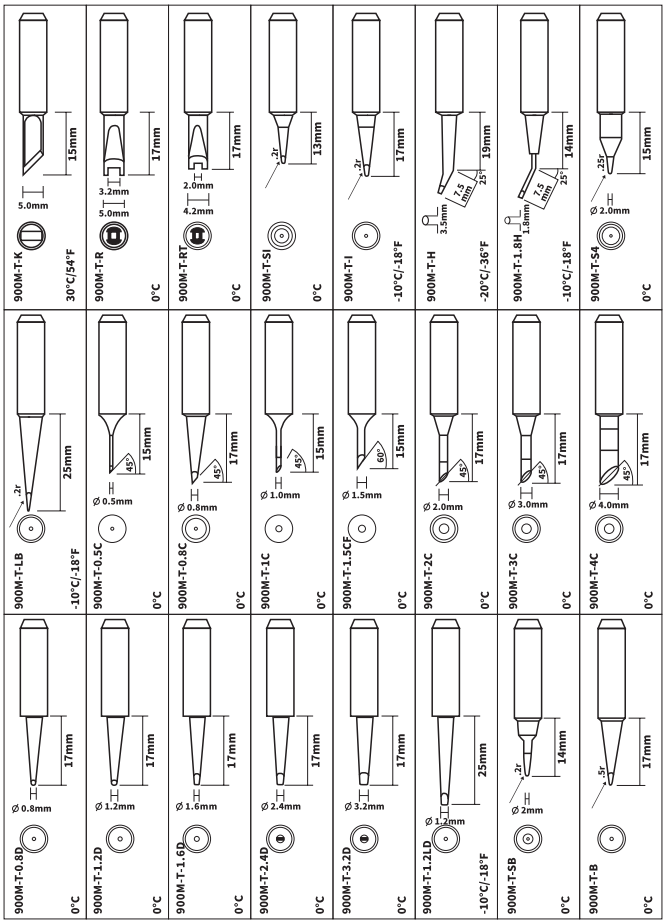
V. TROUBLESHOOTING

1. "H-E" – This is an indication of abnormal heating of the soldering iron. In such an instance, you need to change the heating element (heating element and sensor modules), or check the heating element's power circuitry.

2. Slot the heating element correctly when replacing the heating element. The heating element can be installed using either side as the pins are arranged in no particular order.

Tip style (specifications & sizes)

900M Series Tip Out Diam ϕ 6.5mm



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