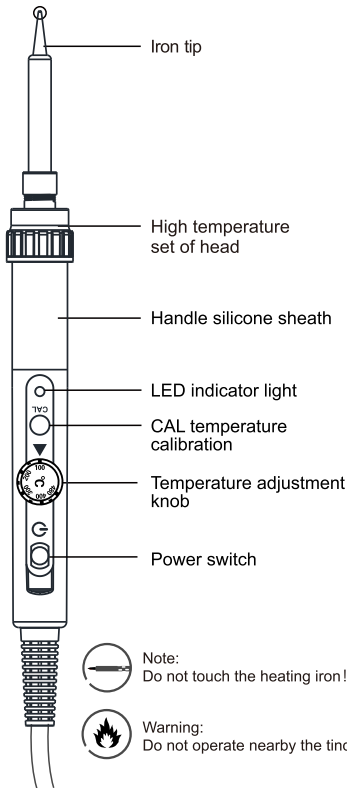


Adjustable thermostat soldering iron User manual

Thanks to use soldering products, please read the instructions carefully before operating soldering iron, in order to avoid operation errors.

Remark:

The "warning" and "note" in the specification are defined as follows:
Warning: wrong operation shall result in death or serious injury.
Note: wrong operation shall result in damage to the users or the objects.



Features:

- ★ Small volume ,powerful function.
- ★ Long service life,small leakage.
- ★ High-temperature resistant, high insulation, soft-touch power cable.
- ★ Adopt high grade special materials, with high-temperature resistant and strong anti static.
- ★ With CAL temperature calibration adjustment function
- ★ Temperature range:100~480 °C

List:

Adjustable thermostat soldering iron /piece
Specification /unit

Parameters:

Power supply:	○220V/50HZ	○110V/60HZ
Welding nozzle earth impedance:	< 2 Ω	
Welding nozzle earth voltage:	< 2 mv	
Size:	246 mm (Length) * 23.6 mm (max dia.) * 6.5 mm (min dia.)	

Specifications

Type	Economy (No sleep function)		
Name	RD70W		
Power	70W		
Temperature range	100~480 °C		
Temperature stabilization	± 5 °C (no load)		
Soldering nozzle	900M/C8 series	C9 series	
High temperature set of head	GP4	GP3	
Exothermic Material Core	220V	A1326	
	110V	A1316	
Power supply	○ AC110V/60HZ		○ AC220V/50HZ

Note: product specifications and design may change, not be prior notice.

Warning

Because wrong operation will cause burns and fire. Please strictly comply with the following matters:



1. Please avoid abusing the soldering iron, should operate according to the working instruction.
2. Do not touch the metal parts of the soldering iron.
3. Do not use the soldering iron nearby the combustible.
4. Notice staffs that the soldering nozzle is easy to cause burn or other dangerous accidents, so please turn off the power after getting off work.
5. Before replace soldering nozzle, please confirm the power is shut off and the nozzle is cool.
6. It is strictly prohibited to use the product when any damage, especially the power cord damages.
7. This product uses three lines ground-plug which must insert the three hole socket. Prohibit changing the plug or using not ground-plug adapter which results bad ground connection. If want to extend wire, please use the three linesground- power cord.
8. Do not use soldering nozzle to solder outside of the soldering work.
9. Please don't knock the soldering iron on the table to clear the residual tin slag on iron. Because thus doing shall result in serious damage to the soldering iron.
10. Please don't replace the solder iron without authorization.
11. It is suggested that replace parts with the original accessories.
12. Don't get the solder iron wet. Please do not use or take apart the solder iron and pull the cord when your hand is damp.
13. It is suggested to work in good ventilation environment, or providing small fans by yourselves owing to the soldering iron will produce smoke when soldering.

14. Prohibit making any damage to body or objects when use the soldering iron.

15. Children don't know the danger of solder iron, so this product should be placed where children are not easy contact or used and stored where providing admitted supervision.

Using soldering iron

A:Connection:

1. The three pin plug of cable should insert the three wire socket, please note earth connection.
2. Press the power switch the adjustable constant temperature soldering iron turn on, the indicator light is red, and it is in the warming condition.

B:Temperature setting:

Rotate the temperature adjustment knob, the temperature adjustment range is 100~480°C, increase the temperature when rotating clockwise, and decrease the temperature when rotating counterclockwise. If the set temperature is 350°C, when the temperature rises to the set temperature, the indicator light will flash red and enter the constant temperature state.

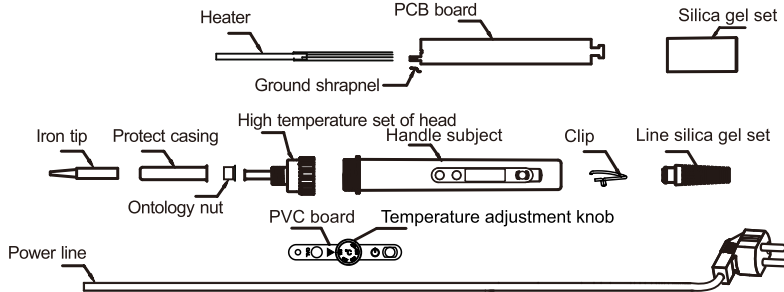
C:CAL(calibration)

Dismantle the CAL button rubber plug, which is a small temperature control button for CAL temperature calibration. Use the "+" screwdriver to turn the CAL control knob to adjust the temperature.

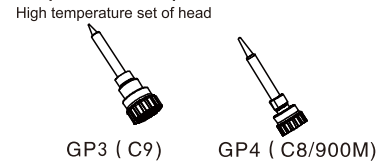
D: Shutdown operation

Turn off the power switch and unplug the power cable if it is not used after a long time.

Parts drawings



Replacement parts



Exothermic Material Core

Type	70W
110V	A1316
220V	A1326

Welding nozzle

Warning :

- Do not energize without installing iron tip!
- When replace iron tip, please unplug power line to avoid damaging heating core!

●Welding nozzle using

Too high temperature will weaken the welding nozzle function, so choose the temperature as low as possible. The welding nozzle of restoring force is good, even under the low temperature it can also fully complete the welding work. What is more, it can protect temperature sensitive elements.

●Welding nozzle cleaning:

Should periodically clean the weld nozzle with the cleaning sponge or with a cleaning wet cloth). Because after welding, the residual slag will produce oxide and carbide which can damage the welding nozzle or cause welding error or make the heat conduction of welding nozzle weaker. Long time continuously using welding nozzle, once a week the welding nozzle should be taken apart to clean the residual slag on the surface, so to prevent welding nozzle damaged and reduce temperature.

●Do not use welding nozzle:

When do not use welding nozzle, do not let welding nozzle in high temperature condition for long time. Or you will make the flux of welding nozzle on change to oxide, which will make the heat conduction of welding nozzle weaker.

●After use welding nozzle:

After the use, should wipe clean the welding nozzle and plate new tin layer on it to prevent the welding nozzle from oxidation.

●Welding nozzle maintain

Check and clean the welding nozzle:

Note: do not file the oxide on welding nozzle with rasper!

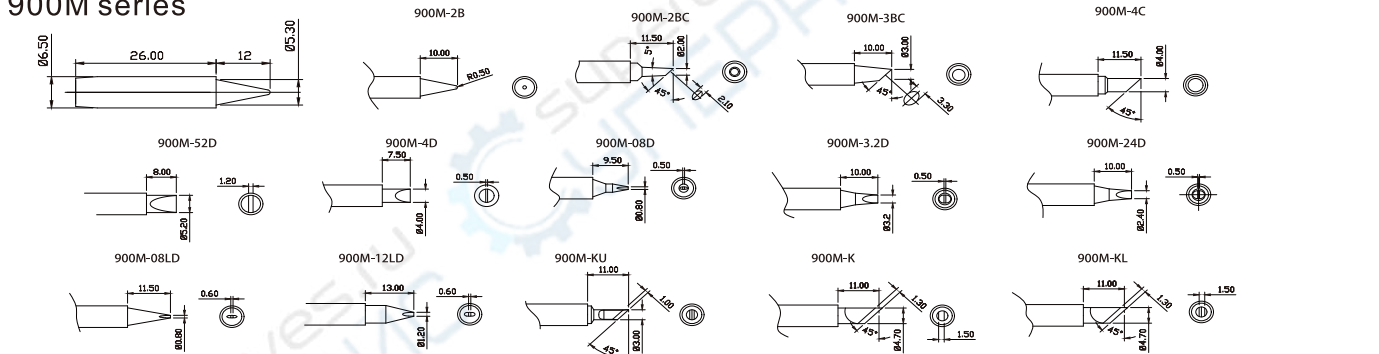
1. The setting temperature at 250°C.
2. After the temperature stability, clean the welding nozzle with cleaning sponse, and check it.
3. If welding nozzle on tin part contains black oxide, plate a new tin layer on the welding nozzle, then usec leaning sponge to wipe welding nozzle. So repetitive operation to remove the oxide and then platie a new tin layer on the welding nozzle.
4. If welding nozzle becomes deformation or serious erosion, must replace the welding nozzle with a new one(Suggesting using the original nozzle).

●Extend the welding nozzle life:

1. After each finish the welding work, plate a new tinlayer on the welding nozzle to prevent welding nozzle from oxidation and extend the using life.
2. Under the condition of normal working please set the temperature as low as possible. Low temperature can reduce welding nozzle oxidation, as well as can easily to weld components.
3. Only in necessary condition to use thin welding nozzle, because of the thin welding nozzle less durable than the coarse one.
4. Don't use welding nozzle as detection tools, because welding nozzle bending will make coating rupture and shorten its service life.
5. Use less active rosin flux, because the high content of active rosin will accelerate welding nozzle coating corrosion.
6. When not using welding nozzle, please turn off it's power as far as possible to prolong its service life.
7. Don't butt welding nozzle with great heavy stress, because that is not equal to faster heat.

900M series

Unit: mm



C9 series

Unit: mm

