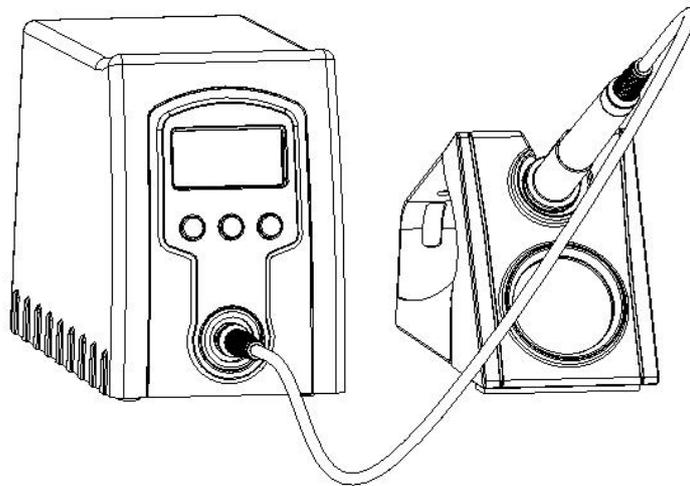




# QUICK 969D+

## Lead Free Soldering Station

### Instruction Manual



Thank you for purchasing our products. Please keep the instructions properly for future reference.

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# 1. Safety Instruction



## **CAUTION**

- During the installation and use of the product, you need to observe the electrical safety regulation of location.
- Please power off the product during disassembly.
- If the product is not working properly, please contact the supplier or manufacture, do not disassemble or modify without notice. We will not be liable for any problems caused by unauthorized maintenance or modification of the product.



## **WARNING**

- Products should be used away from magnetic field.
- Do not place the product where the surface is vibrated or subject to shocks.
- Do not install the product where it maybe wet.
- Do not use the product near flammable materials.
- The product should be keep ventilation during operation. Turn off the product when resting or after completion.
- Do not use the product when it is damaged, inspection and maintenance regularly.
- Do not rap soldering iron against the workbench to shake off residual solder, otherwise the iron will be damaged by shocks.
- Please unplug the power cable when the product is not used for a long time.

# 2. Product Overview

The soldering station is simple and compact in shape and easy to operate.

### 3. Product Features

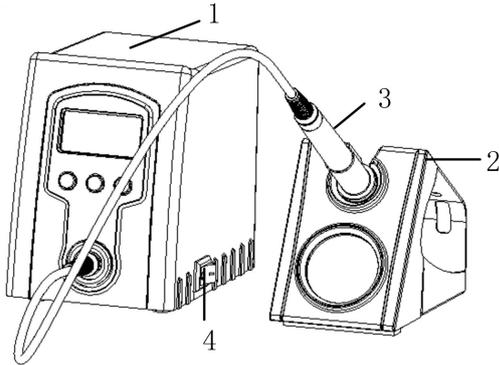
- Temperature rises and recovers rapidly, suitable for lead free soldering.
- LCD display, use the button to adjust the temperature and temperature Calibration flexible and convenient.
- Various types of the tips available, easy operation and long service life.
- Light handle of portable, comfortable for use.

### 4. Product Specifications

Product model	969D+
Display	数码管显示
POWER	70W (Max)
Input voltage	220VAC
Temp. range	100℃~480℃
Temperature Stability	±2℃ (still air, no load)
Operation ambient	0~40℃
Tip to ground potential	<2mV
Tip to ground resistance	<2 Ω
The handle type	901RAA
Dimension(L×W×H)	87*140*118.7mm
Weight	about 1.7Kg

# 5. Display and Function Descriptions

## 5.1 Part descriptions

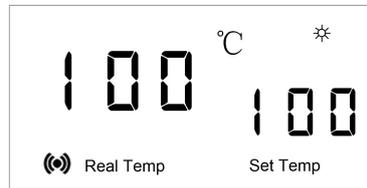


No.	Part Name
1	Soldering station
2	Iron stand
3	Handle holder
4	power switch

## 5.2 Button function descriptions

No.	Button	Descriptions
1	▲	In the Main menu, Press button once to increase 1°C, press and hold it to continuously increase.
2	*	In the Main menu, Press ▲ or ▼ button to Change the temperature, and then, Long press the * key to save
3	▼	In the Main menu, Press button once to decrease 1°C, press and hold it to continuously decrease.
4	▲ and ▼	Turn off the power switch. Hold down the "▲" and "▼" buttons At the same time, turn on the power switch to enter the password setting interface.
5	* and ▲ and ▼	In the Main menu, Press and hold it at the same time to temperature calibration mode.

## 5.3 LCD display descriptions



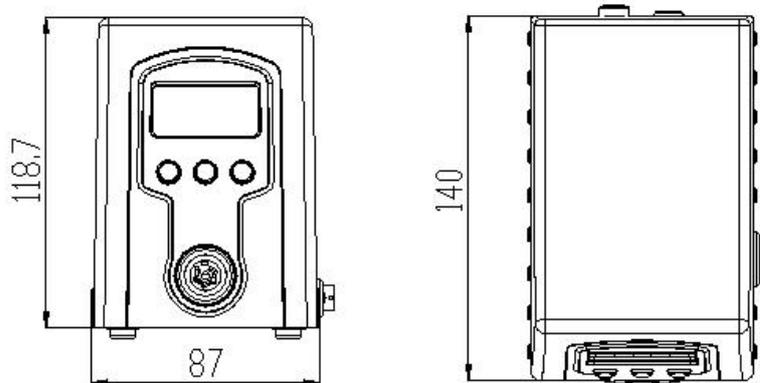
Icon	Descriptions
	heating state
	turn on: Shows the buzzer is open turn off: Shows the buzzer is close
Real Temp	/
Set Temp	/

## 6. Installation and Connection

### 6.1 Connection

- 1) Connect the 5-pin plug into station, and make sure the pin in the plug must match the groove in the connection socket. Place the soldering iron handle in the iron holder.
- 2) Insert the power plug into grounded power socket.
- 3) Turn on the power switch.

## 6.2Dimensions



Unit: mm

## 7.soldering station setting

### 7.1 Raise temperature and reduce temperature

- 1) Press “▲” or “▲” button, the temperature will rise or drop.
- 2) Press “▲” or “▲” button once to rise or drop 1 °C , press and hold it to continuously rise or drop.
- 3) Release "▲" or "▼" button, display window delay display setting temperature about 2 seconds, if within 2 seconds delay, then press "▲" or "▼" button, the setting temperature will rise or fall 1 °C;

### 7.2Temperature Setting

- 1) After entering the temperature point window, press the "\*" button to the three temperature points. In this case, you can set the temperature. Release the "\*" button for about 2 seconds and then return to the working state.

2) After selecting the temperature point, press "▲" or "▼" to set the temperature of the temperature point. To save the setting temperature of the temperature point, hold down the "\*" key until "  " is displayed in the window.

3) Temperature cannot be set in password locking state, but the three temperatures can be selected freely. After entering the temperature setting state, press the "\*" and select the one temperature you need.

## 8. Password Setting

### Enter the password setting state

1) Turn off the power switch. Press and hold the "▲" and "▼" buttons simultaneously, then turn on the power switch.

2) Continue holding down the "▲" and "▼" button until the display shows  .

3) When the display shows , the station is in parameter input mode.

### Enter the old password

1) Press the "\*" button, the window will display "---", the 100' s digit will flash, initial password can be inputted.

2) Input password: Click the "▲" or "▼" button to input the 100' s digit, and then click the "\*" button when displaying the selected value of 100' s digit. After that it comes into 10' s digit input. The inputting methods of the 10' s digit and 1' s digit are same with the 100' s digit.

- 3) If the inputting password is wrong for the first time, it comes into the password-inputting interface again and the window displays “---”. Input the password again as the step 2.
- 4) If the inputting passwords both are wrong, the window displays “Err”. It cannot come into the parameter setting and return to the work state directly.
- 5) If the inputting password is right, it comes into the parameter setting.

## 9. Parameter Setting

1) The password is correct, the parameter menu can be entered. The switching order is as:



2) Press the "▲" or "▼" button, select 01 parameter menu, directly return to the main interface; Select parameter menu 02 and press \* to enter the new password setting.

## 10. New Password Setting

- 1) In the parameter menu selecting interface, click “▲” or “▼” button to select the menu “-4-”, and then click “\*” button into the password setting interface.
- 2) On the password setting interface, the window displays "--" and the hundred digit blinks. Then click the "▲" or "▼" button and select the hundreds digit. After selecting, click the "\*" key to enter the tens digit selection, the tens and ones digit selection method is the same as the hundreds digit. Select the ones digit and click "\*" to enter the

second password. The method of setting the password for the second time is the same as the method of setting the password for the first time. After entering the password for the second time, click \*.

3) If the inputting passwords are not same with each other, it will return to the working state directly, which means the password setting is not successfully.

4) If the inputting passwords are same with each other, the windows displays “”, and then return to the parameter menu selecting interface, which means the password setting is successfully.

## 11. Temperature Calibration

The temperature should be recalibrated every time if the handle, heating element or soldering tip is replaced.

1) Set the temperature 300 °C .When the temperature is stable, measure the tip’s temperature with a thermometer and write down the value.

2) Press the “▲” & “▼” buttons simultaneously, press the “\*” button until the window displays “CAL” to enter the calibrating temperature mode.

3) Press the "▲" or "▼" key for numerical selection, input the reading value of the temperature tester, input, press the "\*" key to save, the iron temperature calibration is completed.

4) If the temperature calibration is successful, the window will display "", and then return to the working interface. If the temperature calibration fails, Err is displayed and the working screen is displayed.

Repeat the above steps if there's any difference between the thermometer and soldering station.

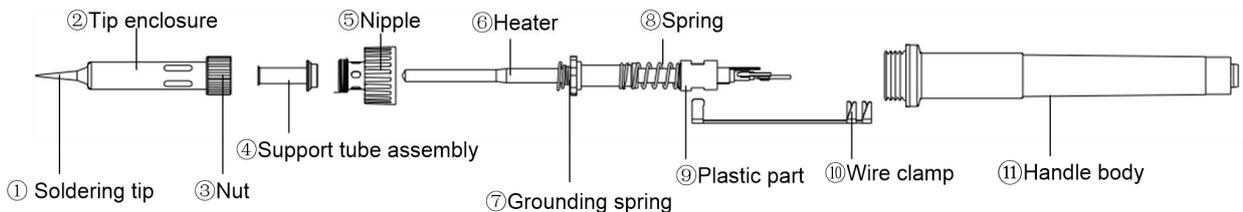
Note: It is recommended to use QUICK 191/192 series temperature tester to measure tip temperature.

## 12. Tip Maintenance

- 1) When a new tip is used for the first time, set 250 to 280°C to protect the tip with solder.
- 2) Select the tip size according to the size of the solder joint.
- 3) To prevent tip oxidation, a fresh layer of solder should be plated before putting back into the soldering iron holder.
- 4) There should not be too much water in the cleaning sponge to get a good cleaning effect on the tip and to avoid rapid temperature drop of the tip. Using a dry & cleaning sponge will damage the tip and cause no tinning.
- 5) After the tip is improperly oxidized by use, do not clean the surface plating by grinding. Please use metal wire or resurrection paste to clean the tip at low temperature (250~280°C).
- 6) Do not apply heavy force to the tip when soldering and avoid using tin to the same place.
- 7) Use low-temperature soldering as much as possible. Generally, the soldering temperature is controlled at 320~380°C. If you need to set a high temperature to solder, please analyze whether the soldering station and tip are matched, and then perform

soldering.

## 13. Soldering Station Heater Replacement



### 13.1 Steps of removing the heater

- 1) Pull out the ① Soldering tip and screw down the ⑤ Nipple.
- 2) Pull out the ⑥ Heater from the ⑪ Handle body.
- 3) Pull out the ⑩ Wire clamp from the ⑨ Plastic part upward.
- 4) Unplug the three leads plugged into the heater pin.
- 5) Remove the ⑨ Plastic part, ⑧ Spring and ⑦ Grounding spring .

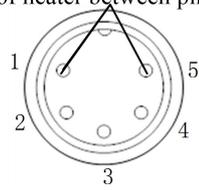
△Note: All operating steps are performed with the power disconnected and the handle cooled.

### 13.2 Steps of replacing the heater

- 1) Plug the three wires into the ⑥ Heater pins.
- 2) Install the ⑧ Spring and the ⑦ Grounding spring, and snap the ⑩ Wire clamp into the ⑨ Plastic part.
- 3) Put ⑥ Heater into ⑪ Handle body.

- 4) Screw on ⑤Nipple and Install ①Soldering tip.
- 5) Put ② Tip enclosure and ③ Nut on ⑤Nipple and screw them tightly.
- 6) After replacing the heater, the following measurements are recommended:

Test resistance of heater between pin 1 and 5 :  $10\Omega (\pm 10\%)$



7)After the replacement of the heater, it is recommended to calibrate temperature, refer to 11temperature calibration

## 14. Fault Descriptions

No.	Error	Fault descriptions
1	S-E	The sensor is error If the sensor or other parts of the sensor circuit fails, the "S-E" mark is displayed and the current to the soldering iron is cut off.
2	H-E	The heater is error If the soldering station cannot deliver power to the soldering iron heater, the window displays "H-E", indicating that the heater is damaged.

# 15. Tip Type

