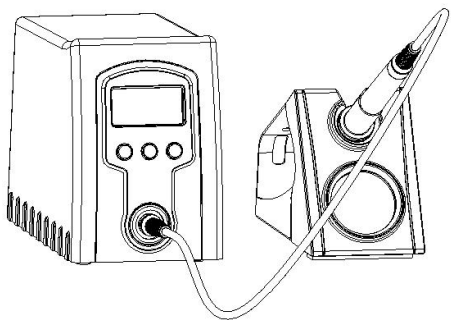
QUICK 969D+ Soldering Station

Instruction Manual



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

Contents

1.Safety Instructions

 CAUTION

- During the installation and use of this product, all electrical safety regulations of the country and regions must be strictly observed.
- The power supply must be disconnected when disassembling the product. Do not operate with power on.
- If the product does not work properly, please contact the supplier or our company, and do not disassemble or change the product in any way. We are not responsible for any problems caused by unauthorized maintenance or modification.

 WARNING

- The product should be used away from places where there is magnetic interference.
- Don't install the product in a place where the surface is easy to shake or be impacted, as it may damage the product.
- Don't install the product in places where it may be exposed to rain or moisture.
- Don't use in flammable and explosive environments.
- After using the soldering station, the tip temperature will be quite high, which is easy to burn and may cause dangerous accidents.
- Power supply should be turned off during breaks or after work.
- Don't knock workbench with the soldering pencil to remove residual flux, which may seriously damage the soldering pencil.
- When the soldering pencil is not in use, please turn off the power to prolong its life.
- Please unplug the power cord when the product is not used for a long time.

2.Overview

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

3.Product Characteristics

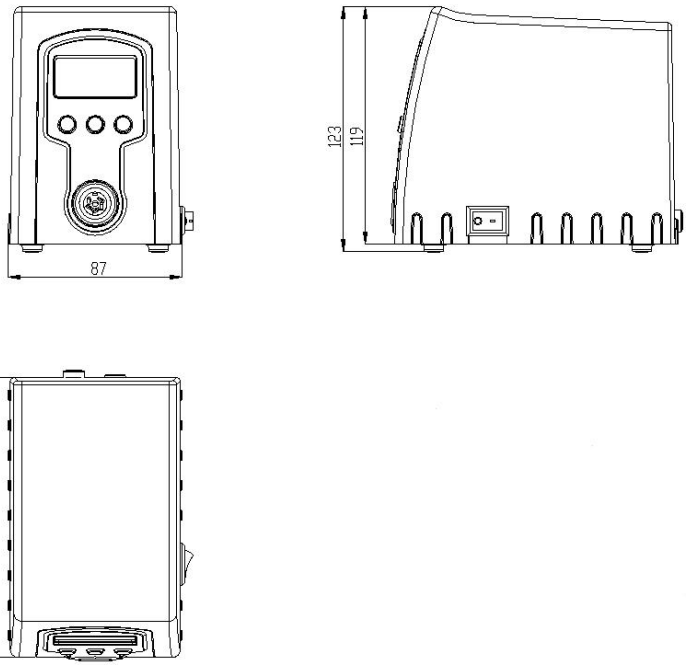
- All-metal heating element, anti-drop and durable.
- 70W power, rapid heating and thermal recovery.
- LCD dual temperature digital display, the working mode can be set, and in the working mode, three temperature points to choose and set.
- Digital temperature calibration, with parameter and password locking function, easy operation and management.
- Suitable for general soldering tips, easy to use and economical.

4.Product Specifications

Model	969D+
Display	LCD
Power consumption	70W(Max)
Voltage	AC 110V/220V
Temperature range	100～480℃
Temperature stability	±2℃（No load）
Ambient temperature	40℃
Tip to ground resistance	＜2mV
Tip to ground potential	＜2Ω
Dimensions (L*W*H)	87*140*119mm
Weight	About 1.7 kg

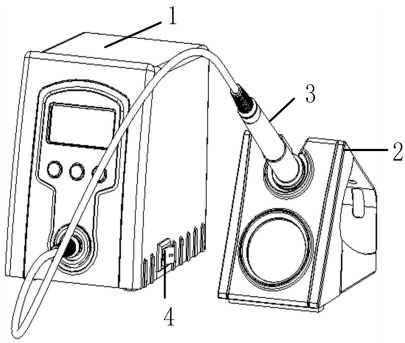
5.Functional Descriptions

5. 1. **Dimensions**



Unit：mm

5. 2. **Part Descriptions**

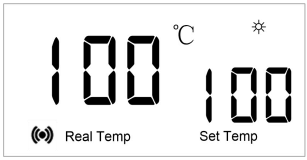


NO.	Part Descriptions
1	Main unit
2	Holder
3	Soldering pencil
4	Power switch

5. 3. Key Descriptions

No.	Button	Descriptions
1	▲	Temperature increase In the working mode，short press to increase by 1℃，long press to increase rapidly.
2	▼	Temperature decrease In the working mode，short press to decrease by 1℃，long press to decrease rapidly.
3	*	In the working mode，short press to switch temperature channel. In the working mode, after press "▲" or "▼" to change the temperature, long press "*" to save.
4	▲/▼	Turn off the power switch, long press the "▲" and "▼" keys at the same time and then turn on the power to enter the password setting mode.
5	*/▲/▼	In the working mode，press the three keys at the same time to enter the temperature calibration mode.

5. 4. Function Descriptions of the Main Interface



Icon	Descriptions
☼	Heating state
((•))	Display: Indicates that the key tone and alarm are on.
Real Temp	Real-time temperature
Set Temp	Setting temperature

6.Connection

1) Insert the five-core plug of the soldering pencil into the five-core socket on the main unit, pay attention to the insertion position of the plug and tighten it, then place the soldering pencil in the holder.

2) Insert the power plug of the soldering station into the power socket.

3) Turn on the power switch.

7.Soldering Station Settings

7. 1. Temperature Setting

Temperature increase/decrease

1) Press " ▲ " or " ▼ ": temperature increases or decreases by 1℃.

2) Long press " ▲ " or " ▼ ": temperature increases or decreases rapidly.

7. 2. Temperature Channel Settings

1) Press the "*" key to switch the three temperature channels. At this point, you can select the temperature point you want to set. Release the "*" key for about 2 seconds to return to the working state, and then enter the working state of current temperature channel.

2) After selecting the temperature channel, immediately press the "▲" or "▼" key to set the temperature of current channel.

To save the setting temperature of the channel, after the setting is completed, you must long press the "*" key until the screen displays "  ", indicating the temperature setting is successful.

3) When the password is locked, the temperature (including the temperature of the temperature channels) cannot be set, but the temperature channels can be selected.

7. 3. Password Settings

1) Turn off the power switch. Long press the "▲"and "▼" keys at the same time , then turn on the power switch.

2) Long press the "▲"and "▼" keys until the display shows " C ", indicating enter to password setting mode.

3) Input the initial password

a. After entering the password setting mode, the screen displays"---", and the leftmost hundred digit blinks. At this time, the hundred digit can be set (you can input the initial password 000).

b. Input the initial password: Press the "▲" or "▼" key to select the hundreds digit, and then press the "*" key to set the next digit; after the password setting is completed, press the "*" key to confirm.

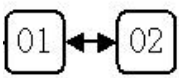
4) If the first password is wrong，directly enter the second password input mode.

5) If the password input twice is wrong: the screen displays "ERR", and directly to the main interface.

6) If the password input for the first or second time is correct: directly enter the parameter menu.

7. 4. Parameter Settings

1) If password is input correctly, the parameter menu can be entered, as shown in the following figure:



2) Press the "▲" or "▼" key, after selecting the -1-parameter menu, long press "*" to return to the main interface; after selecting the parameter menu -2-, press " * " to enter the new password setting.

7. 5. New Password Settings

1) After entering the new password setting, the screen shows "---" and the hundreds digit blinks.

2) Press the "▲" or "▼" key to set the hundreds digit. After setting, press the "*" key for confirm and enter the tens digit setting, the tens and ones digit setting method is the same as the hundreds digit. After setting the ones digit and press " * " to enter the second password input mode, and the password input way is the same as the first time.

3) If the two passwords input are not the same, the screen will display "  ", indicating the password setting is unsuccessful. It will return to the parameter setting, and the password will remain unchanged.

4) If two passwords input are the same, the screen displays"  ", indicating the password setting is successful, and returns to the parameter setting. Shut down and restart the station, the new password takes effect.

8.Temperature Calibration

The temperature should be recalibrated every time if the soldering tip is replaced.

1) Set a temperature value (for example: 350℃)

2)When the temperature is stable, use the soldering tip temperature tester to measure the tip temperature and write down the readings.

3) Press the "▲","▼" and " * " keys at same time for 2 seconds to enter the temperature calibration mode. At this time, the temperature displayed in the screen blinking, press the "▲" or "▼" key to select the value, press the " * " key to save, the temperature calibration is completed.

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

5) 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.

* If the password is locked, the temperature cannot be calibrated. The correct password must be entered before operation.

9.Maintenance of Tips

1) When the new tip is used for the first time, add tin to protect it when the temperature is 250 ~ 280 ℃.

2) Select the appropriate tip size according to the size of soldering joint.

3) In order to prevent the oxidation of tip a layer of soldering tin should be plated before placing it into the holder.

4) In order to avoid rapid cooling of tip, the cleaning sponge should not be wet with too much water. But using cleaning sponge that is not wet will damage the tip and lead to failure of tinning the tip.

5) When the tip is oxidized due to improper use, do not clean the surface coating by grinding but use metal filament or resurrection ointment to clean it at 250 ~ 280 ℃.

6) When soldering, do not apply gravity to tip and avoid adding tin to the same place to operate.

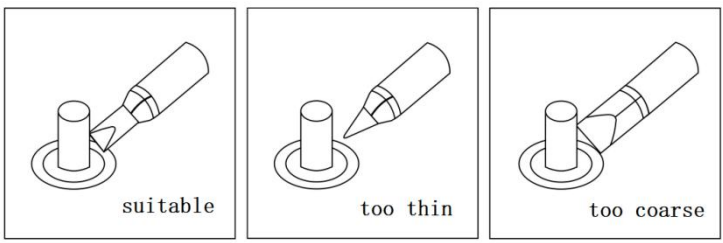
7) Try to solder at low temperature, and the temperature is usually controlled at 320 ~ 380℃. If it is necessary to solder at high temperature, please analyze the adaptability of soldering station and tip before soldering.

10.Selection of Tips

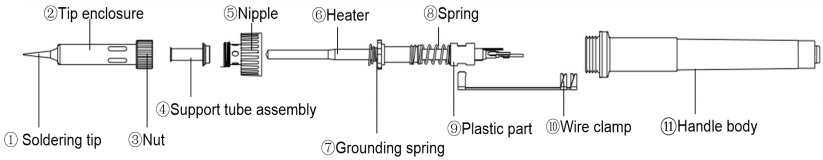
1) It is very important to correctly select the size and shape of tip. A suitable tip can improve the efficiency and increase the durability.

2) The size of tip is directly related to the heat capacity. For continuous soldering, the larger the tip, the less the temperature drop. In addition, because the heat capacity of the large tip is higher and relatively low temperature can be used during soldering, the tip is not easy to oxidize and the service life is relatively prolonged.

3) Generally speaking, the selection of tip size is based on the standard that it does not affect adjacent components. Selecting the geometric dimension that can fully contact with the soldering joint can improve the soldering efficiency.



11.Guide for Replacing Heater



11. 1. **Steps for Removing Heater**

1) Unscrew the ②Tip enclosure and ③Nut;

2) Take out ①Soldering tip, ②Tip enclosure, ④Support tube assembly, and unscrew ⑤Nipple;

3) Pull out ⑥Heater from ⑪Handle body;

4) Pull up the ⑩Wire clip from the ⑨Plastic part;

5) Unplug the three leads inserted into the pins of the ⑥Heater;

6) Remove the ⑨Plastic parts, ⑧Springs and ⑦Grounding springs on the ⑥Heater.

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

11. 2. **Steps for Replacing Heater**

1)Insert the three wires on the pins of the ⑥Heater;

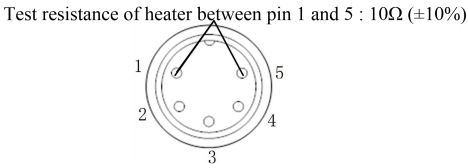
2) Insert the ⑩Wire clamp into the ⑨Plastic part;

3) Install ⑥Heater into ⑪Handle body;

4) After screwing on the ⑤Nipple, install the ④Support tube assembly and ①Soldering tip;

5) Put ②Tip enclosure and the ③Nut on the ⑤Nipple and screw it tightly.

6) After replacing the heater, the following measurements are recommended:

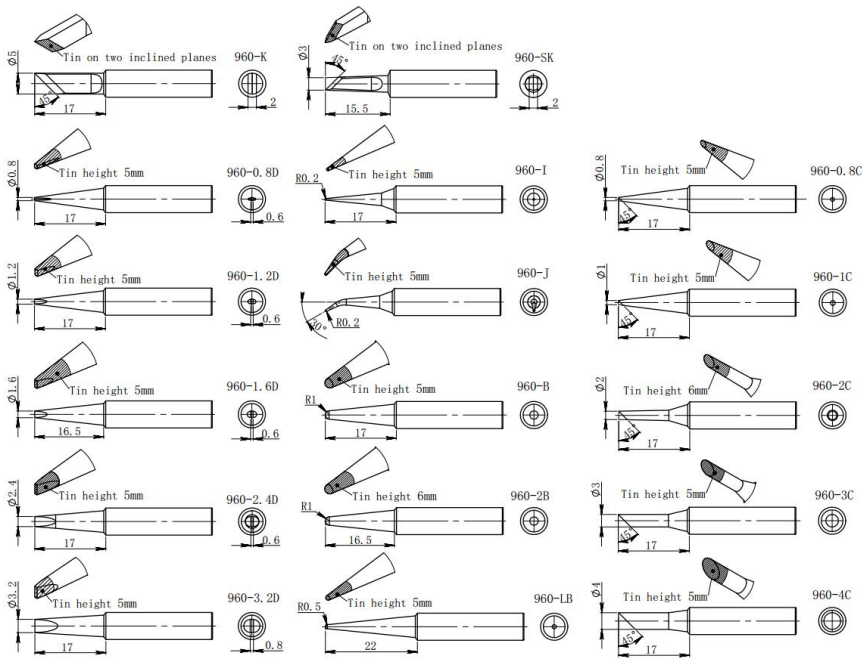


7)After replacing the heater, it is recommended to recalibrate the temperature (refer to the temperature calibration steps).

12.Troubleshooting

NO.	Error Display	Troubleshooting
1	S-E	The sensor is error If the sensor or any part of the sensor circuit fails, the "S-E" indicates that the current to the soldering tip is cut off.
2	H-E	The heater is error If the soldering station cannot deliver power to the soldering iron heater, the screen displays "H-E", indicating that the heater is damaged.

13.List of Tips



Warranty Card

●The warranty period of this product is calculated from the date of Purchase. During the warranty period, if the product breaks down during normal use, show the original warranty card and enjoy free service in the authorized repair company(or our company). Please keep the purchase certificate and this warranty card and show it before maintenance.

●During the warranty period, the following repairs need to be paid:

a.Unable to offer valid warranty card or certificate;

b.The purchase date, sales company and other items are not completely filled or the warranty card is altered;

c.Damage caused by failure to follow the use methods and precautions in the manual;

d.Damage caused by disassembly, repair and modification of products without authorization of the manufacturer;

e.Replacement of vulnerable and consumable parts.

●All items of the warranty card shall be completely filled in by the agent or user to obtain a 12-month warranty period.

●Please keep this warranty card properly It will not be re-offered after.

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TEL: 86-519-86225678
FAX: 86-519-86558599
POSTCODE: 213167
WEBSITE: www.quick-global.com

Warranty Card

Type:_____

Model No.:_____

Serial No.:_____

Delivery Date:_____

Warranty File Card

Type:_____

Model No.:_____

Serial No.:_____

Delivery Date:_____

Address : _____

Postcode: _____

Telephone:_____

Contact Person:_____

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