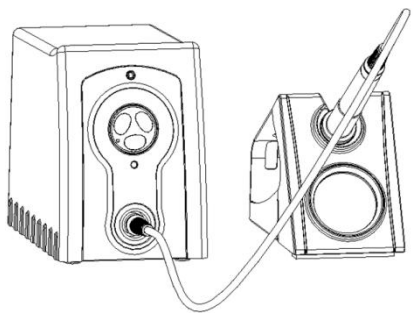
QUICK 969A+ Soldering Station

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 easy to use, and the knob operation is more convenient.

3.Product Characteristics

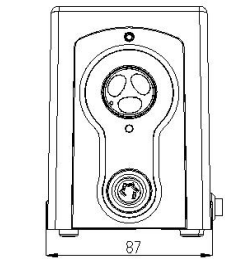
- Rapid heating and thermal recovery.
- Suitable for general soldering tips, easy to use and economical.
- The soldering pencil is light and comfortable to use.

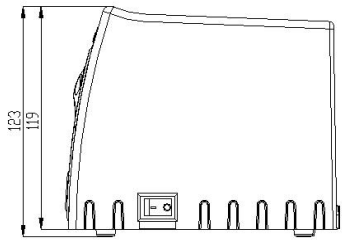
4.Product Specifications

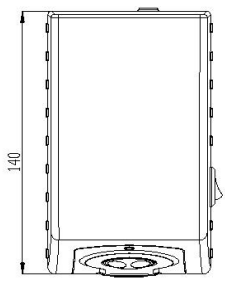
Model	969A+
Power consumption	70W(Max)
Voltage	AC 110V/220V/230V
Temperature range	200～450℃
Temperature stability	±2℃（No load）
Ambient temperature	40℃
Tip to ground resistance	＜2mV
Tip to ground potential	＜2Ω
Dimensions (W*H*D)	87*140*119mm
Weight	About 1.8 kg

5.Functional Descriptions

5. 1. **Dimensions**

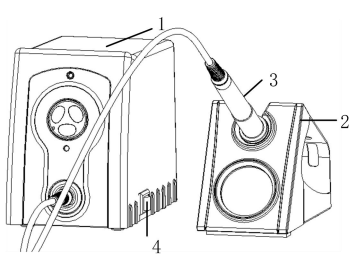






Unit：mm

5. 2. **Part Descriptions**



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

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.Temperature Settings

1) Rotate the temperature control knob to set the temperature to the requested point.

2) When the temperature of the soldering tip rises to the setting temperature, the heating indicator will flash, indicating the soldering work can be carried out.

3) When the soldering tip heats up at full power, the red light will be always on; when the temperature is lowered or there is a fault, the red light will be off.

8.Temperature Calibration

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

1) Set a certain temperature value of the soldering station (For example: 350℃).
2) When the temperature is stable, measure the temperature of the tip with the thermometer, and record the reading value.
3) Take out the stopple in the CAL hole,use a “-” or “+” type screwdriver to adjust the screw in the CAL hole until the thermometer shows the setting temperature (350℃）.
4) Temperature will increase if the screw is turned clockwise and will decrease if it is turned counter-clockwise. (Put the stopple back to the CAL hole after calibration）

5) Repeat the above steps if there’s any difference between the thermometer and soldering station.

Note:It is recommended to use 191 / 192 thermometer to measure the tem perature of tips.

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.

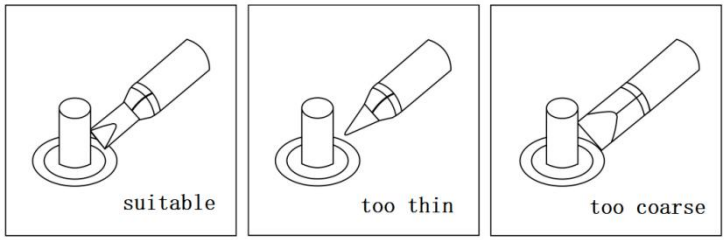
10.Selection of Tips

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.

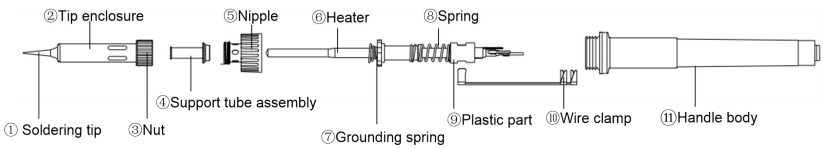
2) The size of tip is directly related to the heat capacity. For continuous soldering, the larger the tip, the less the temperature drop. In addition, because the heat capacity of the large tip is higher and relatively low temperature can be used during soldering, the tip is not easy to oxidize and the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

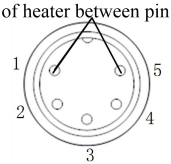
3) Install ⑥Heater into ⑪Handle body;

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.

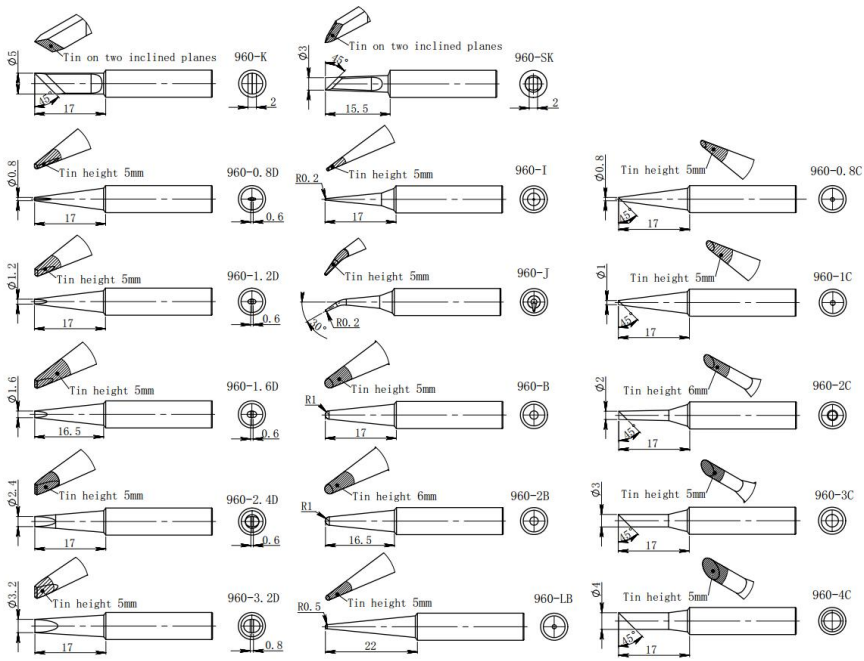
6) After replacing the heater, the following measurements are recommended:

Test resistance of heater between pin 1 and 5 : 10Ω (±10%)



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

12.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.

QUICK INTELLIGENT EQUIPMENT CO., LTD.
ADD: NO.11, FengXiang Road, Wujin High-Tech Industrial Development Zone, Jiangsu, China
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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