

# ***Pro'sKit***<sup>®</sup>

CE

## **SS-982 Series 2 In 1 SMD HOT AIR REWORK STATION**



### **User's Manual**

2<sup>st</sup> Edition, 2025

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Thank you for purchasing the **Pro'sKit**® SS-982 2 In 1 SMD Hot Air Rework Station. Suitable for disassembly and welding of various components, used for heat shrinkage, drying, paint removal, debonding, thawing, preheating, adhesive welding, electronic maintenance, and device welding operations. Please read this manual before using the product and save the manual in a safe, easily accessible place for future references.

## **SAFETY INSTRUCTIONS**

Warnings and cautions are placed at critical points in this manual to direct the operator's attention to significant items. They are defined as follows:

Failure to comply with a **WARNING** may result in serious injury or death.

Failure to comply with a **CAUTION** may result in injury to the operator, or damage to the items involved.

### **WARNING**

Do not change or disassemble any components related to this product, it may cause product damage.

When replacing the fuse, be sure to turn off the power before operating.

During working period, do not turn off the power suddenly, the heat gun should be placed on the bracket until it cools off, otherwise it will damage the product.

### **CAUTION**

When the power is ON, the temperature of the hot air and the nozzle ranges from 100 to 500°C(212 to 932°F); the temperature of soldering iron ranges from 200 to 480°C(392-896°F).

To avoid injury to personnel or damage to items in the work area.

### **NOTE**

A NOTE indicates a procedure or point that is important to the process being described.

### **EXAMPLE**

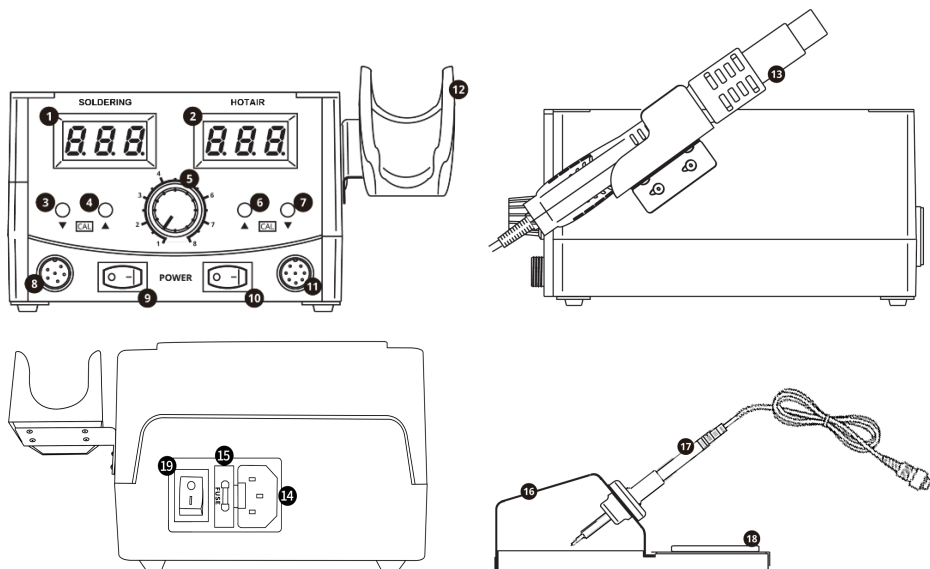
AN EXAMPLE is given to demonstrate a particular procedure, point or process.

Be sure to comply with the following **WARNINGS** and **CAUTIONS** for your safety.

#### **Following:**

- \*\* Do not aim the hot air toward personnel or touch the metal parts near the nozzle.
- \*\* Do not use the product near combustible gases or flammable materials.
- \*\* Avoid potentially dangerous work conditions involving high temperature areas.
- \*\* After use, the power should be off.
- \*\* Change the components or tip after cutting off power and waiting to cool it.
- \*\* Do not touch the metallic parts near the tip.
- \*\* Do not strike the hand piece against hard surfaces.
- \*\* Be sure the unit is grounded. Always connect power to a grounded receptacle.
- \*\* Do not disassemble the machine.
- \*\* Do not modify the unit.
- \*\* Use Pro'sKit replacement parts only.
- \*\* Do not wet the unit or use the unit with wet hands.
- \*\* Remove power cord by holding the plug – not the wires.
- \*\* Make sure the work area is well ventilated.
- \*\* Keep away from children.

## Schematic Diagram:



- |                                 |                                   |
|---------------------------------|-----------------------------------|
| 1 Soldering Temperature Display | 10 Hot Air Power Switch           |
| 2 Hot Air Temperature Display   | 11 Hot Air Handle Interface       |
| 3 Soldering Cooling Button      | 12 Hot Air Handle Resting Bracket |
| 4 Soldering Heating Button      | 13 Hot Air Handle Body            |
| 5 Air Volume Control Knob       | 14 Power Cord Socket              |
| 6 Hot Air Heating Button        | 15 Power Fuse Holder              |
| 7 Hot Air Cooling Button        | 16 Soldering Handle Body Bracket  |
| 8 Soldering Handle Interface    | 17 Soldering Handle Body          |
| 9 Soldering Power Switch        | 18 Clean Sponge                   |
|                                 | 19 Mains switch                   |

## Packing List:

SS-982 2 In 1 SMD Hot Air Rework Station (include holder) x1  
 Heat Gun x1  
 Air Nozzle x 4  
 Soldering Iron x1  
 Iron Stand (with cleaning sponge) x1  
 Power Cord x1  
 User's Manual x1

## Features:

- Microprocessor-controlled, closed circuit sensor design, high power and quick warm-up times
- Adjustable air volume and temperature, suitable for a variety of applications.
- Handle with sensor design, switching work & sleep mode for real-time operation convenience.
- Auto cool-off process to prolong the life of heating element

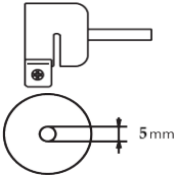
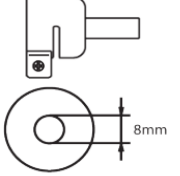
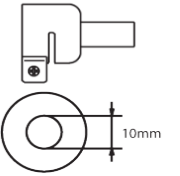
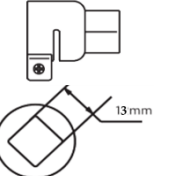
- Comes with brushless motor provides long service life, quiet in operation
- Soldering iron conforms to CE, ESD safety regulations.
- Heat insulation handle with ergonomic design ensures user safety and comfort.
- The soldering iron adopts ceramic heating element, providing stable power and fast heating speed.

#### Specification:

|                                |                                                                                   |                                                                                   |                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Model No.                      | SS-982E                                                                           | SS-982B                                                                           | SS-982H                                                                           |
| Power Input                    | 110V-120V ~ 60Hz                                                                  | 220V-240V ~ 50Hz                                                                  |                                                                                   |
| Hot Air Power                  | 750W                                                                              |                                                                                   |                                                                                   |
| Soldering Power                | 70W                                                                               |                                                                                   |                                                                                   |
| Soldering Iron Temperature     | 200-480℃ (392-896℉)                                                               |                                                                                   |                                                                                   |
| Hot Air Temperature            | 100-500℃ (212-932℉)                                                               |                                                                                   |                                                                                   |
| Soldering Iron Output Voltage  | 24V ~                                                                             |                                                                                   |                                                                                   |
| Hot Air Output Voltage         | AC 110V-120V                                                                      | AC 220V-240V                                                                      |                                                                                   |
| Temperature Display            | LED                                                                               |                                                                                   |                                                                                   |
| Soldering Iron Heating Element | Alumina Ceramic Heater                                                            |                                                                                   |                                                                                   |
| Hot Air Heating Element        | Metal Heating Core                                                                |                                                                                   |                                                                                   |
| Air Volume                     | 120L/min(Max)                                                                     |                                                                                   |                                                                                   |
| Equipment Noise                | <45dB                                                                             |                                                                                   |                                                                                   |
| Plug Type                      |  |  |  |
| Fuse Type                      | 250V / 10A                                                                        | 250V / 5A                                                                         |                                                                                   |
| Weight                         | 1.6Kg                                                                             |                                                                                   |                                                                                   |
| Dimension (mm)                 | 205x195x108mm (include holder)                                                    |                                                                                   |                                                                                   |

#### Optional replacement

Replacement Nozzle:

| 5SS-982-A1                                                                         | 5SS-982-A2                                                                         | 5SS-982-A3                                                                         | 5SS-982-A4                                                                          |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |

Replacement soldering iron:

|                        |            |
|------------------------|------------|
| Replacement heater     | 5SS-982-HT |
| Replacement hand piece | 5SS-982-SI |

Replacement Hot air gun:

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| Model No.   | SS-982E     | SS-982B     | SS-982H     |
| Hot air gun | 5SS-982E-HG | 5SS-982B-HG | 5SS-982B-HG |

Replacement tips:

|  |               |  |               |
|--|---------------|--|---------------|
|  | 5SI-216N-B    |  | 5SI-216N-3.2D |
|  | 5SI-216N-B1.0 |  | 5SI-216N-1C   |
|  | 5SI-216N-BC   |  | 5SI-216N-2C   |
|  | 5SI-216N-0.8D |  | 5SI-216N-3C   |
|  | 5SI-216N-1.2D |  | 5SI-216N-4C   |
|  | 5SI-216N-1.6D |  | 5SI-216N-I    |
|  | 5SI-216N-2.4D |  | 5SI-216N-K    |

#### Operation instruction

1. Put the rework station ready and place the handle on the holder.
2. Connect the power cord to the power receptacle on the back panel of the station.
3. Set the blast nozzle (large caliber nozzle preferred).
4. **Soldering iron part:**

When the main power switch on the back of the soldering station is turned on, the display screen shows "--". When the soldering iron is turned on, the previous set temperature is displayed. After 1.5 seconds, the actual temperature starts to be displayed. The blue dot in the lower right corner of the display screen is always on to indicate heating, and if it is not on, it stops heating. If it flashes, it indicates constant temperature.



Temperature input: Press and hold the ▲ heating or ▼ cooling button to set the temperature between 200-480 °C (392-896 °F), flash three times, and then automatically save.

Temperature unit conversion: simultaneously press and hold the ▲ temperature increase and ▼ temperature decrease keys of the soldering iron part, the SOLDERING screen displays --1, then adjust the temperature increase key ▲ or temperature decrease key ▼ of the air gun, select C or F, to switch between Celsius and Fahrenheit, and automatically save and exit after 8 seconds of setting.



Solder iron sleep function: simultaneously press and hold the ▲ temperature rise key and ▼ temperature drop key of the soldering iron part, then press the ▲ temperature rise key until the SOLDERING screen displays --2, then adjust the temperature rise key of the air gun ▲ or the temperature drop key ▼, select 0-99 minutes to set the soldering iron sleep time, and automatically

exit 8 seconds after the setting is successful, "000" means that the sleep mode is closed, 001 means that the machine is not used for 1 minute sleep, the temperature drops to 200 degrees, and the screen displays SLP.



Sleep wake-up: Pick up the soldering station handle, press any temperature control button. Turn on the power switch to wake up and raise the temperature to the set temperature.

Verification of soldering iron temperature: simultaneously press and hold the ▲ heating key and ▼ cooling key of the soldering iron part, then press the ▲ heating key until the SOLDERING screen displays --3, then adjust the heating key of the air gun ▲ or the cooling key ▼, select -50~50 to set the soldering iron temperature verification, and automatically exit 8 seconds after setting.



For example, if the temperature displayed on the soldering iron is 350 °C, but the actual temperature measured by the soldering iron temperature tester is 360 °C. You can subtract 10 from the temperature calibration settings (it is recommended to add solder to the soldering iron in close contact with the measuring sensor)



Error message: If the heating element or handle is damaged, the screen will display the error mark "S-E" and the machine will stop working.



## 5. Hot air gun section:

Turn on the hot air switch, and the hot air LED will display "---". At this time, the hot air gun is in standby mode.



Set the desired working temperature, press the button once to adjust 1 °C, and press and hold the button to quickly adjust the temperature.

Pick up the hot air handle for normal operation, adjust the air volume knob to use the required air volume, and start working when the temperature remains constant and flashes blue light.

After the work is completed, the hot air gun must be placed on the bracket. The hot air gun will cut off the heating power and enter the cooling mode. When the temperature is below 100 °C, the hot air gun will enter the sleep mode. When the hot air gun needs to be used, it should be picked up again. If it is not used for a long time, the power switch of the hot air gun must be turned off.

Hot air temperature verification: simultaneously press and hold the ▲ temperature increase key and ▼ temperature decrease key of the soldering iron part, then press the ▲ temperature increase key until the SOLDERING screen displays --4, then adjust the temperature increase key of the air gun ▲ or the temperature decrease key ▼, select -50~50 to set the hot air temperature verification, and exit automatically 8 seconds after successful setting.



For example, if the hot air temperature is displayed as 350 °C, but the actual temperature measured by the hot air temperature tester is 360 °C. You can subtract 10 from the temperature calibration settings.



Symbol description:

Displaying "---" indicates that the air outlet temperature is below 100 °C, and the hot air table enters sleep mode.



Displaying "S-E" indicates that there is a problem with the air gun sensor or its components. Replace the heating element or handle.



When working, if the displayed temperature is less than 50 °C and no longer rises, it indicates that the heating element of the hot air table handle may be damaged and needs to be replaced.



6. Rotate the air volume adjustment knob to set the desired working air volume.
7. Pick up the handle of the welding table and the welding table will heat up normally. Adjust the air volume knob to make the air volume appropriate, and it can work normally after the temperature stabilizes.
8. If not operated for a long time, the power switch must be turned off.

#### Attention:

When possible, to complete the task, try to use low temperature and high air volume, which will help prolong the lifespan of the heat source in the soldering station and ensure the safety of the IC chip inside the soldering station.

#### Terms of use

1. The air outlet and its surrounding area may be very hot. Be cautious of scalds.
2. The heat gun shall not be put on the working table or other place except its holder.
3. Please keep the air outlet unblocked.
4. Place the heat gun on its holder after work, and keep it cool naturally and turn into standby mode, then switch the power off.
5. The distance between the air outlet and the object shall be no less than 2mm.
6. Choose suitable nozzle in accordance with working requirements. Different nozzles may have different temperatures.
7. When the soldering iron is not in use, please put it on the iron holder.
8. If the temperature is too high, the service life of soldering iron head will be reduced, so the suitable working temperature should be selected.
9. Clean the iron head with a cleaning sponge regularly.
10. When the soldering iron is used continuously for a long time, remove the iron tip once a week

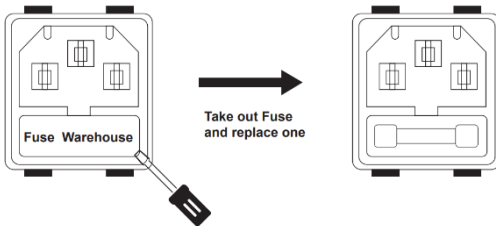
to remove the oxide.

11. After use, the iron tip should be wiped clean and coated with a new tin layer to prevent oxidation of the iron tip.
12. The temperature of different types of soldering iron tip may be different. The best way to adjust the temperature is to use a special thermometer for measuring the tip. (refer to "temperature calibration")

### Fuse replacement

When fuse is blown, replace with the same type of fuse. (see picture below)

1. Unplug the power cord from the power receptacle.
2. The fuse holder is located under the AC power receptacle, use the slotted (–) screwdriver to loosen the fuse holder
3. Replace the fuse with new one
4. Put the fuse holder back in place



### WARNING

To avoid personal injury or equipment damage, disconnect the power cord before making any servicing to the equipment.

### **Problem 1: The unit has no power / display does not light up.**

1. Check if the unit is switched ON.
2. Check the fuse, replace with the same type of fuse if blown.
3. Check the power cord and make sure there is no disconnection.
4. Verify that the unit is properly connected to the power source.
5. Check if local voltage matches the product requirement.

### **Problem 2: The temperature of the SMD station is not rising.**

**Description:** Display lights up but the temperature of heat gun is relatively low and not heating up.

**Solution:** Heat gun cord or heating element may be damaged, please replace a new heat gun.

### **Problem 3: Heat gun temperature is intermittent.**

**Description:**

- Display lights up but the heat gun temperature rises and falls uncontrollably.
- The temperature is less than 50°C and no longer heating up in working state.

**Solution:**

- Heat gun plug may be loose from the receptacle, unplug the heat gun and re-attach.
- Heat gun cord or heating element may be damaged, please replace the new heat gun.

### **Problem 4: The temperature of soldering iron tip cannot be increased**

**Description:**

- The temperature display shows the temperature, but the temperature of the soldering iron does not reach the set relative temperature or is not heated.
- When the display temperature is less than 50 °C and does not heat up again, or when the temperature of the soldering iron tip rises intermittently.

**Solution:**

- Is the soldering iron wire damaged? Please replace the soldering iron handle.
- The heating core may be damaged, please replace it with a new one
- Please refer to "Refer to checking for breakage in the heating element ".

**Problem 5: The temperature of soldering iron tip or hot air is too low or too high**

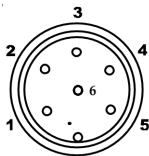
**Description:** The temperature deviation between the temperature display and the soldering tip is large

**Solution:**

- Is the soldering iron tip aging seriously? Please replace or clean the soldering head.
- Is the calibration correct? Please recalibrate

**Checking for breakage of the heating element and cord assembly**

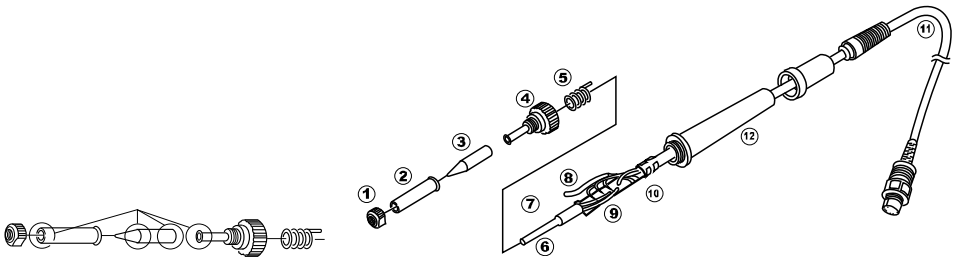
Disconnect the plug and measure the resistance value between the connecting plug pins as follows. If the values of 'a' and 'b' are outside the above value, replace the heating element (sensor) and/or cord assembly. Refer to Procedures 1 and 2. If the value of "c" is over the above value, remove the oxidization film by lightly rubbing with sandpaper or steel wool the points as shown.



|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Between 1 and 2 (heating component)                            | $\approx 3\Omega$           |
| Between 4 and 5 (Temperature sensor)                           | $\approx 50\Omega$          |
| Between 3 and the soldering iron tip<br>(Electrical Grounding) | $< 2\Omega$                 |
| Between 4 and 6 (Shock Sensor)                                 | Shake: $< 2\Omega / \infty$ |

**Heating element broken**

Disassembling the Unit



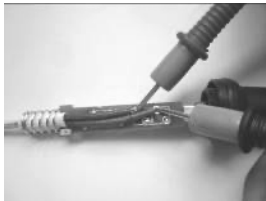
1. Turn the nut 1 counterclockwise and remove the tip enclosure 2, the tip 3 .
2. Turn the nipple 4 counterclockwise and remove it from the iron.
3. Pull both the heating element 6 and the cord assembly 11 out of the handle 12. (Toward the tip of the iron.)
4. Pull the grounding spring 5 out of the D-sleeve.

**Measure when the heating element is at room temperature.**

1. Resistance value of heating element (resistance between the 2 red lines)  $\approx 3\Omega$



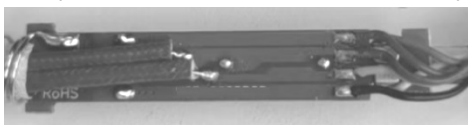
2. Resistance value of sensor (resistance between the 2 blue line)  $\approx 50\Omega$



If the resistance value is not normal, replace the heating element.

### **Replace the heating element.**

1. De-solder the damaged heating element leads and remove it.
2. Replace a new one and solders to PC board properly.



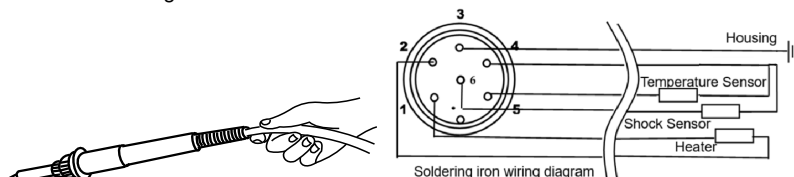
3. Solder the two leads of heater to the other side of PC board, bend the leads at right triangle when soldering to prevent short-circuit

### **After heating element replaced:**

1. Measure the resistance value between pins 3 & 1 or pins 3 & 4 or pin 1 & 4. If it is not  $\infty$ , the heating element or sensor may touch the housing ground. Eliminates the problem first; otherwise, it will damage the PCB.
2. Measure the resistance value between all leads to confirmation that the leads are not twisted and that the grounding spring is properly connected.

### **Soldering iron cord damaged**

Test the soldering iron cord



Check the resistance between the pin of the plug and the wire on the terminal.

Pin 1: Red Pin 2: Black Pin 3: Green Pin 4: Brown Pin 5: Yellow Pin6: White

The value should be  $<2\Omega$ . If it is more than  $2\Omega$  or  $\infty$ , the soldering iron need to be replaced.

### **Note:**

The actual wiring mode shall be subject to the circuit diagram, and the color of lead sheath will not be informed.

# SS-982 系列

## 二合一 SMD 柔风吹焊烙铁组 操作说明书

感谢您选购 **Pro'sKit**® SS-982 二合一 SMD 柔风吹焊烙铁组。适合多种组件的拆焊，用于热收缩、烘干、除漆、除粘、解冻、预热、胶焊接、电子维修及器件焊接作业等使用，焊台前请详阅本使用说明书，阅后请妥为收存，以备日后查阅。

### 注意事项

本说明书之注意事项，区分为如下的“警告”及“注意”二者加以表示。请充分理解其内容后再阅读本文。为了您的安全，请务必遵守下面的“警告”及“注意”事项。

**警告：** 滥用将可能导致使用者发生严重伤害。

**注意：** 可能导致用户受伤或对涉及物体造成实质破坏，为了使用者的安全着想，请严格遵守“注意事项”。

### 警告

建议不要变更或拆解任何与本产品相关的部件。这样的行为可能会损坏本产品。

当需要更换保险丝时，请关闭电源后再作业。

正常使用时，确保不要突然关闭开关，关闭电源。应该放置于热风枪挂架，正常冷其却。否则会对本产品造成损坏。

### 注意

当电源为开启的状态，热风枪喷嘴的温度范围约在 100 到 500°C (212 to 932°F)，温控烙铁温度范围 200-480°C (392-896°F)。为了避免伤害用户或是损坏使用区域对象，请注意下列事项：

1. 热风不可以对着人吹，不可以碰触接近喷嘴的金属部份以免烫伤。
2. 不可以有可燃气体或可燃材料附近使用本产品。
3. 在高温工作区域应该注意潜在的危險性。
4. 当长时间不使用或是附近没人的时候，请将本产品的电源关闭。
5. 切勿触及烙铁头附近的金属部份。
6. 切勿在易燃物体附近使用电焊台。
7. 烙铁头极为灼热，可能引发危险事故，休息时或完工后应关掉电源。
8. 更换部件或装配烙铁头时，应关闭电源，并待烙铁头冷却至室温。

### 为预防意外的发生，请遵守下列注意事项：

**\*\***手握持的装置不要敲打坚硬的地方，否则会造成主体的震动而损坏。

**\*\***请确认产品接地的组件有链接电源的接地插座。

**\*\***不要拆开产品。

**\*\***不要任意修改任何原件。

**\*\***请使用本公司所提供的替换组件。

**\*\***不要弄湿产品或是用湿的手去使用产品。

**\*\***拔掉电源线时请拉拔插头，不要直接拉电线。

**\*\***请确认工作的区域通风良好。

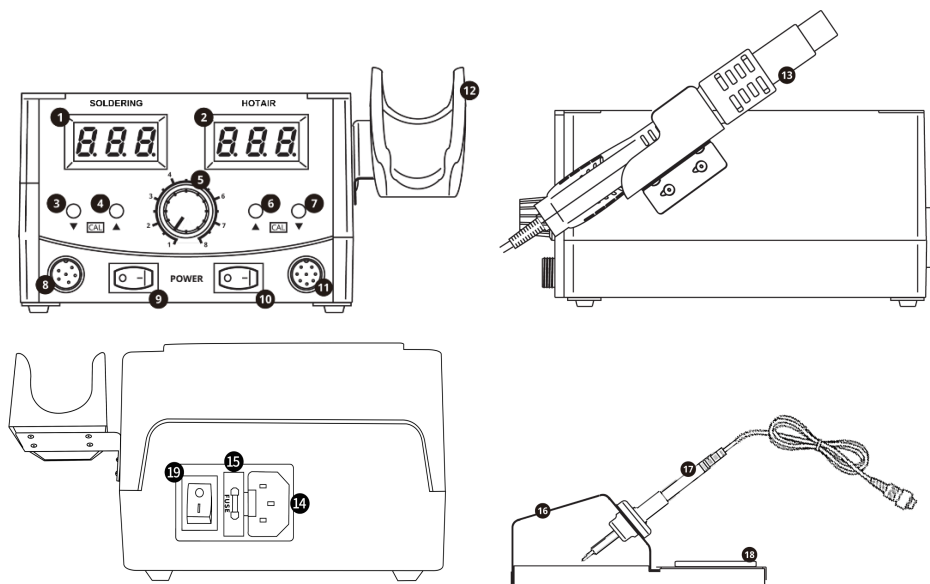
\*\*本产品请妥善放置在小孩拿取不到的地方。

\*\* 焊接时溶锡会冒烟，现场应有良好通风设备。

\*\* 使用焊台时不作任何可能伤害身体或损坏物体的举动。

\*\*如果电源软线损坏，为了避免危险，必须由制造商、其维修部或类似部门的专业人员更换。

## 一、产品简介



- |          |          |
|----------|----------|
| ① 焊台温度显示 | ⑩ 热风工作开关 |
| ② 热风温度显示 | ⑪ 风枪手柄接口 |
| ③ 焊台降温按键 | ⑫ 风枪休眠托架 |
| ④ 焊台升温按键 | ⑬ 风枪手柄   |
| ⑤ 风量调节旋钮 | ⑭ 电源输入插座 |
| ⑥ 热风升温按键 | ⑮ 保险丝    |
| ⑦ 热风降温按键 | ⑯ 焊台手柄托架 |
| ⑧ 焊台手柄接口 | ⑰ 焊台手柄   |
| ⑨ 焊台工作开关 | ⑱ 焊咀清洁海绵 |
|          | ⑲ 总开关    |

## 二、包装清单

SS-982 二合一 SMD 柔风吹焊烙铁组主机 (含热风枪挂架) x1  
热风枪 x1

烙铁 x1  
烙铁座（包含清洁海绵）x1  
热风嘴配件 x 4  
电源线 x1  
使用说明书 x 1

### 三、特点

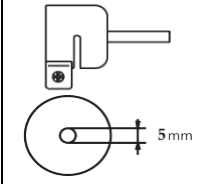
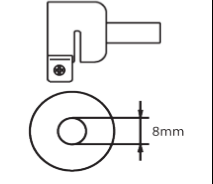
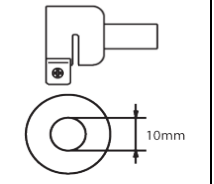
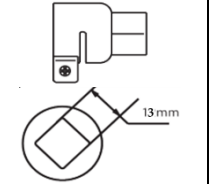
1. 传感器闭合回路，微电脑控温,LED 显示，功率大，升温迅速，温度精确稳定，不受出风量影响，真正实现无铅拆焊。
2. 气流量可调，风量平稳且出风柔和，温度调节方便，可以适应多种用途。
3. 手柄装有感应开关，只要手握手柄，系统即可迅速进入工作模式；手柄放回手柄架，系统便会进入待机状态，实时操作方便。
4. 热风系统设有自动冷却功能，可延长发热体寿命及保护热风枪。
5. 采用无刷风机寿命极长，噪音极小。
6. 烙铁符合 CE、ESD 安全规范。
7. 烙铁手柄隔热效果佳，符合人体工学操作舒适。
8. 烙铁采用陶瓷发热体，功率稳定升温速度快。

### 四、规格

|        |                                                                                     |  |                                                                                     |                                                                                     |
|--------|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 型号     | SS-982E                                                                             |  | SS-982B                                                                             | SS-982H                                                                             |
| 输入电压   | 110V-120V ~ 60Hz                                                                    |  | 220V-240V ~ 50Hz                                                                    |                                                                                     |
| 功率消耗   | 750W                                                                                |  |                                                                                     |                                                                                     |
| 烙铁功率   | 70W                                                                                 |  |                                                                                     |                                                                                     |
| 烙铁温度范围 | 200-480℃ (392-896°F)                                                                |  |                                                                                     |                                                                                     |
| 热风温度范围 | 100-500℃ (212-932°F)                                                                |  |                                                                                     |                                                                                     |
| 烙铁工作电压 | 24V ~                                                                               |  |                                                                                     |                                                                                     |
| 热风工作电压 | AC 110V-120V                                                                        |  | AC 220V-240V                                                                        |                                                                                     |
| 温度显示   | LED                                                                                 |  |                                                                                     |                                                                                     |
| 烙铁发热芯  | 氧化铝陶瓷加热器                                                                            |  |                                                                                     |                                                                                     |
| 热风发热芯  | 金属发热芯                                                                               |  |                                                                                     |                                                                                     |
| 风量     | 120L/min (Max)                                                                      |  |                                                                                     |                                                                                     |
| 噪音     | <45dB                                                                               |  |                                                                                     |                                                                                     |
| 插头形状   |  |  |  |  |
| 保险丝规格  | 250V / 10A                                                                          |  | 250V / 5A                                                                           |                                                                                     |
| 重量     | 1.6Kg                                                                               |  |                                                                                     |                                                                                     |
| 尺寸(mm) | 205x195x108mm (含支架)                                                                 |  |                                                                                     |                                                                                     |

### 五、选购配件：

风嘴选购

| 5SS-982-A1                                                                       | 5SS-982-A2                                                                        | 5SS-982-A3                                                                        | 5SS-982-A4                                                                        |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |

## 烙铁选购

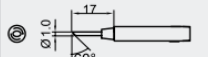
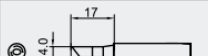
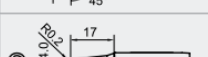
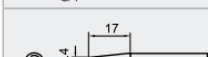
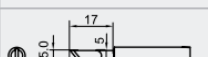
|       |            |
|-------|------------|
| 选购发热体 | 5SS-982-HT |
| 选购烙铁  | 5SS-982-SI |

## 热风枪选购

|     |             |             |             |
|-----|-------------|-------------|-------------|
| 型号  | SS-982E     | SS-982B     | SS-982H     |
| 热风枪 | 5SS-982E-HG | 5SS-982B-HG | 5SS-982B-HG |

## 选购烙铁头：

OAL:43mm I.D.: 4.0mm O.D: 6.3mm

|                                                                                    |               |                                                                                     |               |
|------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|---------------|
|    | 5SI-216N-B    |    | 5SI-216N-3.2D |
|    | 5SI-216N-B1.0 |    | 5SI-216N-1C   |
|    | 5SI-216N-BC   |    | 5SI-216N-2C   |
|    | 5SI-216N-0.8D |    | 5SI-216N-3C   |
|    | 5SI-216N-1.2D |    | 5SI-216N-4C   |
|  | 5SI-216N-1.6D |  | 5SI-216N-I    |
|  | 5SI-216N-2.4D |  | 5SI-216N-K    |

## 六、操作说明

- 1) 将拆焊台摆放好，手柄搁置在手柄架上。
- 2) 连接好电源。
- 3) 装置所需风嘴。
- 4) **烙铁部分：**

打开焊台背面电源总开关显示屏均显示“—”打开烙铁部分开关，显示先前的设定温度，1.5 秒之后开始显示实际温度，显示屏右下角蓝点常亮为加热，不亮为停止加热，闪亮为恒温。



温度值的输入：用▲升温或▼降温键按住不放来设定温度 200 ~ 480°C (392-896°F)，闪烁三次后自动保存。

温度单位转换：同时按住烙铁部分的▲升温和▼降温键，SOLDERING 屏幕显示--1，然后调节风枪的升温按键▲或者降温按键▼，选择 C 或者 F，来切换摄氏度跟华氏度的转换，设定完成后 8 秒自动保存退出。



烙铁休眠功能：同时按住，烙铁部分的▲升温键和▼降温键，再按▲升温键，直到 SOLDERING 屏幕显示--2，然后调节风枪的升温按键▲或者降温按键▼，选择 0-99 分钟设置烙铁休眠时间，设置成功后 8 秒钟自动退出，“000”代表休眠模式关闭，001 代表不使用机器后 1 分钟休眠，温度降到 200 度，屏幕显示 SLP。



休眠唤醒：拿起焊台手柄、按任意调温按键、开关电源开关，即可唤醒升温至设置温度。

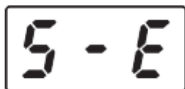
烙铁温度校验：同时按住，烙铁部分的▲升温键和▼降温键，再按▲升温键，直到 SOLDERING 屏幕显示--3，然后调节风枪的升温按键▲或者降温按键▼，选择-50~50 设置烙铁温度校验，设置后 8 秒钟自动退出。



例如，如果烙铁温度显示为 350°C，而烙铁温度测试仪实际测量的温度为 360°C。您可以从温度校准设置中减去 10(建议在与测量传感器紧密接触的烙铁中添加焊锡)



错误提示：如有发热芯损坏或手柄损坏时，屏幕会显示错误标记 S-E，机器停止工作。



#### 5) 热风枪部分：

打开热风部分开关，热风 LED 将显示“---”此时热风枪处于待机状态。



设定所需的工作温度,按下按钮一次可调节 1°C，按住按钮可快速调节 温度。

拿起热风手柄进行正常工作，调节风量旋钮使用所需的风量，当温度恒定并闪烁蓝光时可开始工作。

工作完成后，必须将热风枪放在支架上，热风枪将切断加热电源并进入冷却模式，当温度低于 100°C 时，热风枪将进入休眠模式，需要使用 热风枪时再将其拿起，如果长时间不使用，必须关闭热风枪电源开关。

热风温度校验：同时按住，烙铁部分的▲升温键和▼降温键，再按▲升温键，直到 SOLDERING 屏幕显示--4，然后调节风枪的升温按键▲或者降温按 键▼，选择-50~50 设置热风温度校验，设置成功后 8 秒钟自动退出。



例如，如果热风温度显示为 350°C，而热风温度测试仪实际测量的温度为 360°C。您可以从温度校准设置中减去 10。

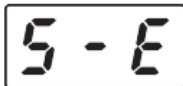


符号说明：

显示“---”表示出风口温度低于 100°C，热风台进入休眠模式。



显示“S-E”表示风枪传感器或其组件有问题，更换发热体或手柄。



当工作时，显示温度小于 50°C，并不再升温，表示热风台手柄发热芯有可能损坏需要更换发热芯或手柄。



- 6) 旋转风量调节旋钮，设置所需工作风量。
- 7) 拿起拆焊台手柄，拆焊台正常加热工作。调节风量旋钮使风量合适，待温度稳定后便能正常工作。
- 8) 长期不操作，须关闭电源开关。

#### 注意：

在能完成作业的情况下，尽量使用低的温度和大的风量，这样有助于拆焊台发热体的寿命及拆焊台内 IC 芯片安全。

#### 七、使用须知

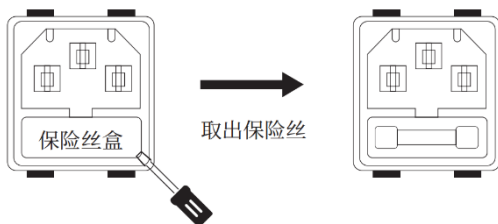
1. 热风拆焊台出风口及周边可能有极高温，应小心谨慎，谨防烫伤。
2. 加热手柄必须放置在手柄架上，决不能放置工作台面或其他地方。
3. 请保持出风口通畅，不能有阻塞物。
4. 工作完毕，必须把加热手柄放置在手柄架上，让机器自动冷却至 100°C 以下（进入待机状态）才能

关闭电源开关。

5. 使用时出风口与对象之距离最少是 2 毫米，以出风口计算。
6. 根据工作要求，选用合适的风嘴，不同的风嘴，温度可能略有差别。
7. 烙铁不使用时，请放置于烙铁架。
8. 温度过高会降低烙铁头寿命，因此应选择适合工作温度。
9. 定期使用清洁海绵清理烙铁头。
10. 长时间连续使用烙铁时，应每周一次拆开烙铁头清除氧化物
11. 使用后应抹净烙铁头，镀上新锡层，以防止烙铁头引起氧化。
12. 不同款型烙铁头的温度可能有所不同，调节的最理想方法是使用测量烙铁头之专用温度计。（参照“温度校准”）

## 八、更换保险丝:

当有误用的状况而造成保险丝烧断时，可以自行更换新的保险丝，以一字起子拆下电源座下方保险丝座后，装上新的保险丝再装回保险丝座即可。



## 九、基本故障排除说明

### 警告

为避免用户受伤及产品损坏，在进行检查前请先移除插头。

### 问题 1: 产品没有电源或温度显示器无法显示

1. 请检查产品是否有打开电源。
2. 请检查保险丝，若保险丝烧坏请更换新保险丝。
3. 请检查电源线连接是否正常。
4. 确定产品电源线是正确的插在插座。
5. 请检查当地电压是否符合产品指针。

### 问题 2: 热风枪温度无法上升

现象：温度显示器有显示温度，但热风枪温度未达设定相对温度或并未加热。

解决方法：热风枪电线或发热芯可能毁损，请更换新热风枪。

### 问题 3: 热风枪温度显示不正常

现象：无法控制温度上升或下降。当工作时，显示温度小于 50℃，并不再升温。

解决方法：

\*\* 热风枪电线或发热芯可能毁损，请更换新热风枪。

### 问题 4: 烙铁头温度无法上升

现象：温度显示器有显示温度，但热风枪温度未达设定相对温度或并未加热当工作时，显示温度小于50℃，并不再升温，或烙铁头断断续续升温时。

解决方法：

\*\*烙铁电线是否破损？请更换烙铁手柄

\*\*发热芯可能毁损，请更换新发热芯

请参阅"发热组件和电线破损检查法"。

**问题 5：烙铁头温度或热风温度太低或太高**

现象：温度显示器和头部温度偏差较大

解决方法：

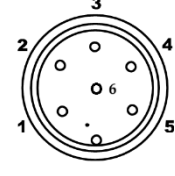
\*\*烙铁头老化是否严重？请更换或清洁烙铁头

\*\*是否正确校准？请重新校准

**如何检查发热组件和电线破损**

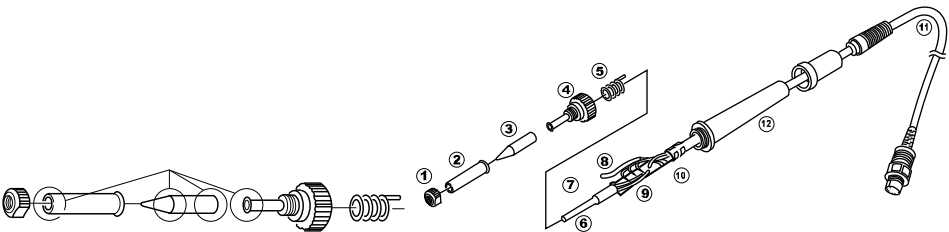
- 1. 如果插头引脚之间的电阻值与右表电阻值有差异，则需将烙铁拆开后，确认印刷电路板电阻值是否正常，检测方式请参考替换发热组件。
- 2. 如印刷电路板（PCB）上测量电阻值正常，而插头引脚之间的电阻值有差异，表示烙铁电线破损，请参考烙铁电线破损之测试方法。
- 3. 如果插头第 3 脚与烙铁头之间电阻值大于上表电阻值，则要用砂纸或钢绒轻轻擦除右图所示部位的氧化层。

拔出插头，测试连接插头的脚与脚之间的电阻值如下：



|                      |         |
|----------------------|---------|
| 第 1 脚与第 2 脚之间（发热组件）  | ≈3Ω     |
| 第 4 脚与第 5 脚之间（温度传感器） | ≈50Ω    |
| 第 3 脚与烙铁头之间          | <2Ω     |
| 第 4 脚与第 6 脚之间（震动传感器） | 晃动: <2Ω |

**如何拆装烙铁：**



- 1.向反时针方向扭开螺帽 1，取出烙铁头护套 2 和烙铁头 3。
- 2.向反时针方向扭开套头 4，从烙铁中拉出套头。

3.从手柄 12 中取出发热组件 6 和电线 11 (向着烙铁头方向拉出)

### **测量方法：**

注意:当烙铁恢复到室温时测量

发热组件电阻值(两条红线之间的阻值):  $\approx 3\Omega$



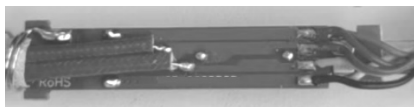
传感器电阻值(两条蓝线间的阻值):  $\approx 50\Omega$



如果电阻值反常，更换发热组件。

### **替换发热组件**

1. 将不良的发热组件进行解焊拆除。
2. 替换新的发热组件，点焊于PCB上。



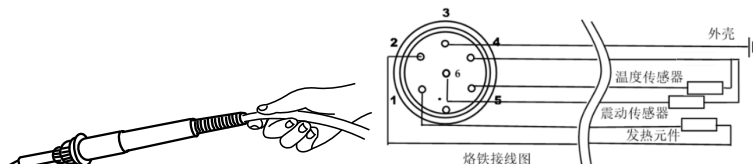
注意：发热组件及传感器无正负之分，但发热组件与传感器接线混淆可能导致其他组件的损坏。

### **更换烙铁发热组件后，请进行以下事项：**

1. 测量烙铁插头第3脚和第1脚之间，第3脚和第4脚之间，第1和第4脚之间电阻值。如果不是 $\infty$ ，则可能是发热组件或传感器，接地外壳之间有接触，必须排除。否则这将会损坏印刷电路板。
2. 测量各线间电阻值是否符合，确定引线未被扭曲，而接地弹簧也连接妥当。

### **烙铁电线破损**

测试烙铁电线破损方法：



测试烙铁插头脚和终端板电线之间的电阻值。

脚1-红色 脚2-黑色 脚3-绿色 脚4-棕色 脚5-黄色 脚6-白色，  
电阻值应 $< 2\Omega$ ，若大过 $2\Omega$ 或 $\infty$ ，应更换烙铁。

注意：实际接线方式以线路图为准，变更引线外皮颜色时，恕不另告知。

# Pro'sKit® 中国地区产品保固卡

|      |                                  |    |
|------|----------------------------------|----|
| 购买日期 |                                  | 店章 |
| 公司名称 |                                  |    |
| 联络电话 |                                  |    |
| 电子邮箱 |                                  |    |
| 联络地址 |                                  |    |
| 产品型号 | <input type="checkbox"/> SS-982H |    |

- ※ 在正常使用情况下，自原购买日起主机保修一年，发热芯保修三个月(不含配件、易耗品)。
- ※ 产品保固卡需盖上店章、日期章并填写产品序号，其保固效力始生效。
- ※ 本卡请妥善保管，如需维修服务时，请同时出示本保固卡，如无法出示，视为自动放弃。
- ※ 我司产品实行计算机编码，它将作为我司产品保固的依据，每台产品均有独立的编码，为了您能得到最好的服务，请勿损坏撕毁该编码。
- ※ 保固期满后，如需维修之性质，则酌收检修工时费用。若有零件需更换，则零件费另计。

## 保修说明

一、保固期限内，如发生下列情况，本公司需依实际状况酌收材料成本或修理费(由本公司维修人员判定)：

- 产品表面的损伤，包括外壳的破裂或刮痕
- 因误用、疏忽、不当安装或测试，未经授权私自打开产品修理，修改产品或者任何其它超出预期使用范围的原因所造成的损害
- 因意外因素或人为因素(包括搬运、挤压、碰撞、高温、输入不合适电压、腐蚀等不可抗力因素)导致的故障或损坏。
- 因使用非宝工导致的故障及损坏。

## 二、非服务保证内容

- 本机主体外之配件：如烙铁头、吹风嘴、手柄、保险丝等配件。
- 任何因自然磨损、超负荷工作而引起的损坏。

三、超过保固期限仍需检修，虽未更换零件，将依本公司保固条款酌收工时服务费用。

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