

Pro'sKit®

CE

SS-562N Digital Lead-free Solder Pot

SS-571 Digital Preheat Platform



User's Manual

1st Edition,

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General

Thank you for purchasing the Pro'sKit Digital Lead-Free Solder Pot and Digital Preheat Platform. These devices are temperature-controlled with a ceramic heater insulated tube providing enhanced protection. Please read this manual thoroughly before operating and keep it for future reference.

SAFETY INSTRUCTION

Warnings and cautions are placed at critical points in this manual to direct the operator's attention to significant information. Failure to comply with a WARNING or CAUTION may result in injury to the user or damage to the unit.



WARNING

The entire device becomes hot during use. DO NOT TOUCH the metal surfaces or contents.

ALWAYS wear eye protection to guard against accidental spills or splatter.

MOLTEN SOLDER can cause serious burns.

Ensure the pot or platform has cooled down before changing any parts.

Unplug the power cord when the device is not in use.



CAUTION

1. Verify that the power supply voltage meets the specified requirements before using the soldering pot or preheat platform.
2. Keep the soldering pot or preheat platform dry; do not operate

it in a humid environment or in the rain.

3. Use the soldering pot or preheat platform on a highly stable metal workbench; never use it near paper or other flammable and explosive materials.
4. Always wear safety glasses and gloves when operating the soldering pot or preheat platform to prevent water or foreign particles from entering the solder pot, which could cause splattering. Be cautious as the device is hot to prevent burns.
5. Never move, hit, disassemble, or reassemble heating element parts while the device is plugged in. You can move the soldering pot after unplugging the power source and allowing it to cool.
6. When using the soldering pot, note that the housing temperature ranges from 50°C to 80°C; avoid touching the housing.
7. Always power off the device after use or when leaving the workspace to avoid accidents.
8. Avoid consistently setting the highest temperature unless necessary to extend the service life and reduce tin oxide formation.

Features:

1. The solder pot is made from high-quality titanium plate, featuring high-temperature resistance, corrosion resistance, acid resistance, non-stick tin, minimal tin oxide formation, and long-term usability at 600°C. It is the optimal choice for lead-free operations.
2. The platform is made from aluminum alloy, providing high density and excellent thermal conductivity.
3. The smart thermostat with PID control features a dual digital

display for clear and intuitive readings, offering high accuracy, high thermal sensitivity, rapid heating, and fast temperature compensation.

4. The high-quality ceramic heater and thermocouple can quickly melt lead-free solder, consuming minimal power, saving energy, heating up fast, and offering a long service life.
5. Features a stainless steel groove for easy and convenient tin slag cleanup.

Instruction:

1. Temperature setting:

Plug the device into a power source and switch it on. Press the "+" or "-" keys to adjust the temperature. Long press the "+" or "-" keys for automatic temperature adjustment.

Press the "SET" key to select the digit to adjust, indicated by a lower right dot, then press the "+" or "-" key to modify the number. The temperature setting will be automatically saved after two seconds. Switching off the power will not erase the saved temperature setting value.

MCU Self-tuning Function: If there is a significant deviation between the actual temperature and the set temperature, perform the self-tuning function to correct it. Long press the "SET" key for 3 seconds to start the self-tuning function. The right display shows "AT" and the temperature setting value alternately flashing for about 20 minutes until the flashing stops, indicating the completion of the self-tuning function. To exit this function prematurely, press "SET" but note that self-tuning will not be complete.

2. Temperature compensation:

If the temperature measured value and the actual temperature

of the pot still deviate significantly after self-tuning, follow these steps: Long press the "CAL" key for two seconds. The left display will show "SC". Then press the "+" or "-" key to set the compensation temperature shown on the right display.

Finally, press the "CAL" button to save and exit.

3. Note:

- When the microcomputer is setting parameters, other parameters cannot be adjusted simultaneously.
- Performing the self-tuning function takes about 20 minutes, plus an additional 10 minutes for stabilization. High and low deviations during this process are normal.
- The optimal time to perform the self-tuning function is around 230°C when the tin just begins to melt.

Specifications

Model No.	SS-562NB	SS-562NH
Voltage	AC200V – 240V 50 / 60 hz	
Plug type	 B type	 H type
Power Consumption	300W	
Temperature Range	Room temp. ~600°C±5°C	
Control system	PID control	
Temperature compensation setting	-200~400°C	
Crucible Size	Φ50x40(mm)	
Crucible material	Titanium	
Melting time (Temp. 280°C)	Approx. 8mins	
Solder capacity	0.6Kg	
Dimension	280x145x115(mm)	
Net Weight (not including packing)	1.9kg	

Model No.	SS-571B	SS-571H
Voltage	220V~240V 50/60Hz	
Plug type	 B type	 H type
Power Consumption	300W	
Temperature Range	Room temp. ~400°C±5°C	
Control system	PID Control	
Temperature compensation setting	-200~400°C	
Platform size	100x100 (mm)	
Platform material	Aluminum alloy	
Melting time (temp. 280°C)	Approx. 10 mins	
Dimension (LxWxH)	280×145×115 (mm)	
Net Weight (not including packing)	2.3kg	

Troubleshooting:

1. Device Does Not Operate When Power is Switched On:

Ensure that the power plug is properly inserted into the power source.

2. Device Powers On But Does Not Heat Up:

This condition indicates a possible heater disconnection.

3. Left Display Shows Extremely High Temperature and Right Display Flashes "ORA":

This indicates an open thermocouple circuit or a glitch in the temperature control meter.

SS-562N 专业无铅温控锡炉

SS-571 专业温控预热平台

使用手册



概述

感谢您购买宝工锡炉及预热平台系列产品，本公司锡炉使用优质纯钛锡炉、平台使用铝合金，两者都使用温度控制电路，温度可依需求调整，采用高品质电子元件制造，性能稳定，是电子电线行业生产领域不可缺少的理想工具。使用前请详读本说明书并妥善保管。电子、电工、电器行业焊接加工作业的最佳选择。

安全注意事项

本说明书中所提到警告及注意事项请在操作前详细阅读了解，错误的操作将造成产品损坏或人员的伤害。



警告

当锡炉温平台在高温的状态下，先将电源关闭及插头拔除后，请先让锡炉回到室温再进行零件更换或收藏，以避免人员受伤。

注意事项：

- (1) 产品使用前应检查电源电压是否相符。
- (2) 产品应保持干燥，不宜在潮湿或淋雨环境下工作。
- (3) 产品应安放平稳，禁止在易燃易爆物品及可燃气体附近使用产品。
- (4) 产品使用时操作者应使用护目镜和防热手套，使用中注意避免异物掉进熔锡锅内，防止高温焊锡从锡锅中溅出，焊锡和焊炉及平台整体温度较高，要小心工作，谨防烫伤。
- (5) 熔锡炉通电后严禁移动，不能任意敲击，拆卸及安装其电热部分零件。如需移动熔锡炉时，必须先切断电源，待锡炉冷却到室温时再进行。
- (6) 使用时产品外壳温度高这是正常现象，注意，切勿触摸外壳。
- (7) 使用完毕，应关闭电源，在无人看管情况下，不要将产品通电加温。本产品为高温设备，不使用时切记切断电源，以免发生意外。
- (8) 为了延长使用寿命，和减少锡的氧化，请勿一味将温度调至最高，请视需要而定

性能特点：

- 1、无铅数显锡炉炉胆采用进口军工级优质钛板制作（钛广泛应用于航空，航太，化学，生物等方面）。在长期 600°C 高温下，具有耐高温、耐腐蚀、抗酸性、不沾锡、锡氧化少等特性，并全部拥有 SGS 认证报告，是无铅作业的最佳选择。
- 2、预热平台采用铝合金，铝板经阳极处理加热快、耐腐蚀、受热均匀、效率高
- 3、温控器采用 PID 智慧控制，双数码显示，直观明确，精度高，热灵敏度高，回温迅速，温度补偿快。
- 4、陶瓷发热芯及热电偶均采用进口元件制作，能快速溶解无铅锡条，用锡量少、耗电量小、节能，升温快，使用寿命长
- 5、本产品采用优质空气开关，提升了使用寿命，加强了线路保护，更安全，更有保障。
- 6、产品设有锡渣槽，清理锡渣及其方便。

产品使用说明:

1、 温度设定:

接上电源, 打开产品电源开关, 使用 “+” 或者 “-” 键调节温度, 长按这两键自动上升或下降调节温度, 使用 “SET” 键来选举要调整的位数, 此时可看到要调整的位数右下角会有亮点, 亮点停在某位元位数后面就可以使用 “+” 或者 “-” 键进行调整, 所设定的温度值在两秒钟后机器会自动保存, 不受开关电源的影响。

微电脑自整定功能: 如果机器实际温度和设定温度值偏差过高的时候, 可进行自整定操作校正, 长按 “SET” 键三秒钟温控器就自动进入自整定状态, 右边的显示器显示 “At” 和设定温度不停的交叉闪烁, 直到 20 分钟左右自整定结束后, 萤幕才会显示您所设定的温度值。此时即完成自整定功能

如果自整定未结束时可按 “SET” 键退出自整定功能, 但是此时自整定为无效。

2、 温度补偿:

假如温度测量值和炉内实际温度经过自整定后偏差过高时, 可以用以下方法进行校正。

按住 “CAL” 功能键两秒钟, 此时左边的显示器显示 “SC” 然后可按 “+” 或者 “-” 键进行补偿温度的设定, 补偿温度的设定值会显示在右边的显示器, 结束按 “CAL” 键即可保存并退出。

3、 注意事项:

- A、 微电脑在进行自整定时候, 其他各项参数不可调整。
- B、 在自整定功能工作时, 需要耗时差不多 20 分钟, 结束后还需要 10 分钟稳定的过程, 因此在这段时间内温度偏差高与低是正常的自整定现象。
- C、 自整定功能最佳的时机在实际温度约 230°C 时刚开始要熔锡的时候。

SS-562N 产品参数:

型 号	SS-562NB	SS-562NH
输入电压	AC200V – 240V / 50 hz ~ 60 hz	
插头型式	 B 型	 H 型
消耗功率	300W	

温度范围	室温~ 600°C±5°C
温控系统	PID 控制
温度补偿设定范围	-200~400°C
锡锅尺寸	Φ50x40(mm)
锡锅材质	纯钛
熔锡时间 (温度. 280°C)	Approx. 8mins
熔锡量	0.6Kg
产品尺寸	280x145x115(mm)
产品重量 (不含包装)	1.9kg

SS-571 产品参数:

型 号	SS-571B	SS-571H
输入电压	AC200V – 240V / 50 hz ~ 60 hz	
插头型式	 B 型	 H 型
消耗功率	300W	
温度范围	室温~ 400°C±5°C	
温控系统	PID 控制	
温度补偿设定范围	-200~400°C	
平台尺寸	100x100 mm	
平台材质	铝合金	
熔锡时间 (温度. 280°C)	Approx. 10mins	
产品尺寸	280×145×115 (mm)	
产品重量 (不含包装)	2.3kg	

故障检测:

- 1、 开机不通电，电源插座是否插好；
- 2、 开机后温度显示不变化、不升温，表示发热体断开；
- 3、 开机后如果左边显示幕显示温度很高，右边显示幕显示 ORA 并一直闪烁，则表明热电偶开路，或者控温表故障。

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	□SS-562NH □SS-571H	

- ※ 在正常使用情况下，自原购买日起12个月免费维修保证（不含耗材、发热芯保用3个月）。
- ※ 产品保固卡需盖上店章、日期章，其保固效力始生效。
- ※ 本卡请妥善保管，如需维修服务时，请出示本卡以为证明。
- ※ 保固期满后，属调整、保养或是维修性质之服务，则酌收检修工时费用。若有零件需更换，则零件费另计。

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