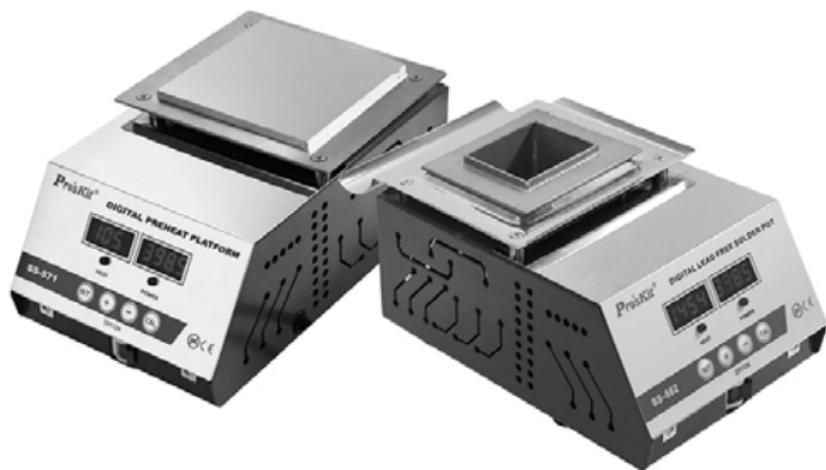# Pro'sKit®

SS-562 Digital lead free solder pot
SS-571 Digital lead free preheat platform

CE

User's Manual
1st Edition,
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General

Thank you for purchasing the Pro'sKit Digital lead free solder pot or Digital preheat platform. The solder pot or preheat platform are temperature controlled with ceramic heater insulated tube providing better protection. Please read this manual before operating. Keep this manual for reference.

SAFETY INSTRUCTION

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

⚠ WARNING

This entire device becomes hot in use. DO NOT TOUCH the metal surfaces or contents.

ALWAYS wear eye protection. Guard against accidental spills or splatter. MOLTEN SOLDER can cause serious burns.

Be sure the pot or platform has cooled down when changing the parts.

Please unplug the power cord when not in use.

⚠ CAUTION

1. The soldering pot or preheat platform should check power supply voltage is meeting specification before the use.
2. The soldering pot or preheat platform should be kept dry, don't work in humid environment or in the rain.
3. Use this solder pot or preheat platform on highly stable metal workbench, never use it near paper or other flammable and explosive articles.
4. Please wear safety glasses and gloves when operate soldering pot or preheat platform. That prevent water or foreign particle drop into solder pot it will cause solder to spatter out from the solder pot work

5. Never move、hit、disassemble and assemble heating element parts when plug in power source. You can move the soldering pot after plug out power source and cooling.
6. When using soldering pot that temperature of housing is 50℃ ~ 80 ℃, do not touch the housing.
7. Always power off after use or leave working place, avoid accidents.
8. Don't always set highest temperature except needed in order to extended service life and reduce tin oxide

Features:
1. The solder pot is made by high-quality titanium plate. It is high temperature resistance, corrosion-resistant, acid resistant , non-stick tin , less tin oxide , can long-term use on 600 ℃. It is the best choice for lead-free operation.
2. Platform is made by aluminum alloy, high density and good thermal conductivity.
3. Smart thermostat with PID control , dual digital display for clear and intuitive reading, high- accuracy, high thermal sensitivity , heating rapidly , fast temperature compensation.
4. Height quality ceramic heater and thermocouple can quickly melt lead-free solder, small power consumption, energy saving, heating up fast, long service life
5. With stainless groove for easy and convenient. tin slag cleaning up,

Instruction:
1. Temperature setting:
    A. Plug in to power source, switch power on , press "+" or "-" key to adjust temperature, long press "+" or "-" to adjust the temperature automatically, press "SET" key to select which

digital to adjust with a lower right dot, then press "+" or "-" key to adjust number, the temperature set will be automatically saved after two seconds, switch power off still keep save temperature setting value.

B. MCU Self-tuning function: When the actual temperature and temperature setting value deviation too high, perform self-tuning function to correct temperature, long press 3 seconds "SET" key then start Self-tuning function. Right display showed "AT" and temperature setting value alternately flashing about 20 minutes until flashing stops then it will auto exit the self-tuning function for finish the function.

If you want quit this function but not yet finished, press "SET" to quit this function, but the Self-tuning is not complete.

2. Temperature compensation:

If the temperature measured value and the actual temperature of pot after the self-tuning deviation still too high, can apply following methods. long press "CAL" key two seconds, left display showed "SC" then press the "+" or "-" key to set compensate temperature that showed on right display, Finally press "CAL" button to save and exit.

3. Note:
A. When microcomputer on setting, it cannot adjust the other parameters at same time.
B. Perform self-tuning function, take about 20 minutes, after that need 10 minutes for stable, during this process will cause high and low deviation is normal.
C. The best timing to perform Self-tuning function is about 230 ℃ that tin just start to melt.

Specifications

Model No.	SS-562B	SS-562H
Voltage	AC200V – 240V / 50 hz ~ 60 hz	
Plug type	B type	H type
Power Consumption	350W	
Temperature Range	Room temperature ~ 600°C ± 5°C	
Working humidity	90% RH	
Control system	**PID control**	
Temperature compensation setting	**-200~400°C**	
Crucible Size	**55 x 55 x 45 mm**	
Crucible material	2.0mm Titanium board	
Melting time (Temp. 280°C)	**Approx. 12mins**	
Solder capacity	**1.3Kg**	
Crucible to ground Resistance	**<2Ω**	
Insulation resistance	**> 100MΩ**	
Dimension	266LX145WX120H	
Weight (not including packing)	2.3kg	

Model No.	SS-571B	SS-571H
Power Consumption	300W	
Temperature Range	Room temp. 400℃	
Control system	PID Control	
Temperature compensation setting	-200~400℃	
Platform size	100x100 (mm)	
Platform material	Aluminum alloy	
Melting time (temp. 280℃)	Approx. 10 mins	
Voltage	220V~240V 50/60Hz	
Standard plug	B type	H type
Dimension (LxWxH)	280×145×115 (mm)	

Trouble shooting:

1, Switch power on but no work please confirm power plug is inserted to power source;

2, Switch on but no heat up, indicate heater disconnection;

3, If left display shows the temperature is very high and right display shows "ORA" and keeping flashing, that indicate thermocouple circuit open, or temperature control meter glitch.

Pro'sKit®

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