

# Pro'sKit®

SS-206/SS-207

## Temperature-Controlled Soldering Station



**User's Manual**

2<sup>nd</sup> Edition: 2017

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Thank you for purchasing the **Pro'sKit**® SS-206/SS-207 Temperature-Controlled Soldering Station. Please read this manual before operating the SS-206/SS-207 the manual in a safe, easily accessible place for future reference.

**Features**

- Comply with CE, ESD safe certification.
- Temperature range 200 - 480°C (392-896°F)
- Soldering iron handles are insulated and ergonomic-designed for ease and comfort.
- CPU Control, ceramic heater offer stable power and fast thermal recovery
- Celsius or Fahrenheit temperature unit selection (only for SS-207)
- Control IC modular design for easy and quickly repair.
- Stackable to conserve bench space

**Packing List**

Please check the contents of the Soldering station package and confirm that all the items listed below are included.

Soldering Station.....	1	Iron Stand ( with cleaning sponge, copper cleaner ) .....	1
Soldering Iron.....	1	User's Manual.....	1
Power Cord.....	1		

**Precautions**

In this instruction manual, "caution" are defined as follows.

 **CAUTION:**

- Misuse may potentially cause injury to the user or physical damage to the objects involved.
- For your own safety, be sure to comply with these precautions.

When the power is on, the tip temperature is between 200°C/392°F and 480°C/ 896°F. Since mishandling may lead to burns or fire, be sure to comply with the following precautions.

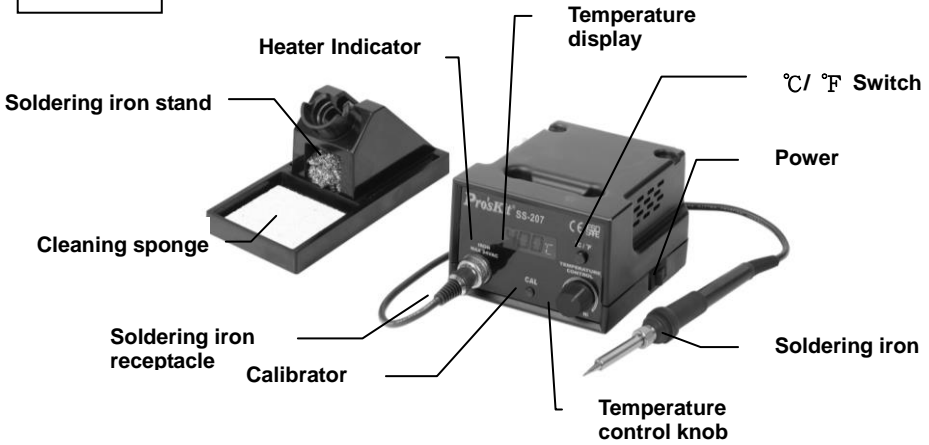
- Do not touch the metallic parts near the tip.
- Do not use the product near flammable items.
- Advise other people in the work area that the unit can reach a very high temperature and should be considered potentially dangerous.
- Turn the power off while taking breaks and when finished using the unit.
- Before replacing parts or storing the unit, turn the power off and allow the unit to cool to room temperature.

To prevent damage to the unit and ensure a safe working environment, be sure to comply with the following precautions.

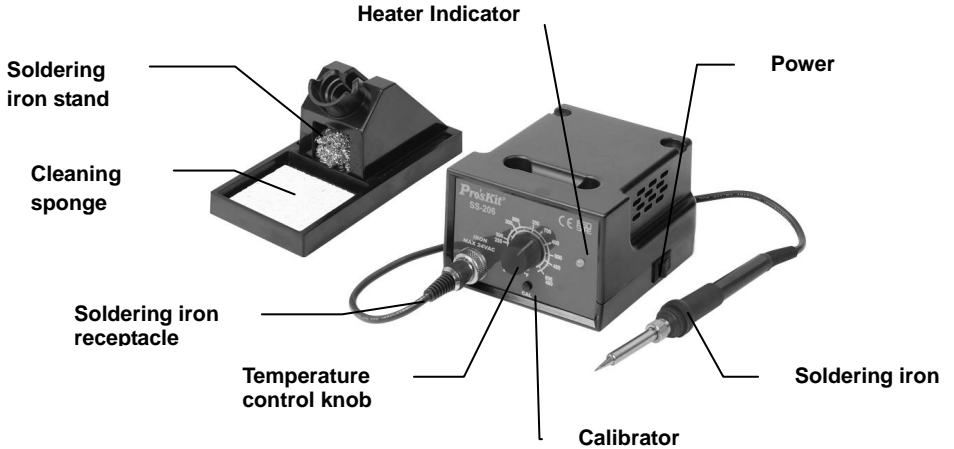
- Do not use the unit for applications other than soldering.
- Do not rap the soldering iron otherwise subject the iron to severe shocks.
- Do not modify the unit.
- Use only genuine replacement parts.
- Do not wet the unit or use the unit when your hands are wet.
- The soldering process will produce smoke, so make sure the area is well ventilated.
- While using the unit, don't do anything which may cause bodily harm or physical damage.

**Names of Parts**

**SS-207**



**SS-206**



## Specification

Model No.	SS-206B	SS-206E SS-206EU	SS-206H	SS-206C
Display	Analog			
Voltage(V)	AC 220~240V	AC110~120V	220V-240V~	AC 240V
Power consumption	60W			
Output voltage	24V~			
Heater	Ceramic heater			
Temperature range	200°C-480°C (392°F-896°F)			
Station size (mm)	145x90x120			
Standard Plug	B type	E type	H type	C type
Fuse	250V / 2A			
Replacement heater	9SS-900N-HT			
Replacement handpiece	9SS-900N-SI			
Individual packing	Color Box			

Model No.	SS-207B	SS-207E SS-207EU	SS-207H	SS-207C
Display	Digital			
Voltage(V)	AC 220~240V	AC110~120V	220V-240V~	AC 240V
Power consumption	60W			
Output voltage	24V~			
Heater	Ceramic heater			
Temperature range	200°C-480°C (392°F-896°F)			
Station size (mm)	145x90x120			
Standard Plug	B type	E type	H type	C type
Fuse	250V / 2A			
Replacement heater	9SS-900N-HT			
Replacement handpiece	9SS-900N-SI			
Individual packing	Color Box			

## Replacement Tips:

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

## Setting up & operating the Soldering Station

### A. Iron Holder

Before using the unit, dampen the sponge with the water and squeeze it dry.

### B. Connections

 **CAUTION:** Be sure to turn off the power before connecting or disconnecting the soldering iron. Failure to do so may damage the P.W.B.

1. Connect the soldering iron cord into the receptacle.
2. Place the soldering iron on the iron holder.
3. Plug the power cord into the power supply. Be sure to ground the unit.

### C. Set the Temperature

1. Turn the power on.
2. Set the temperature control knob to the desired temperature.
3. When the tip temperature reaches the setting temperature, the heater indicator of SS-207 will flash then off, it means the temperature under control now, if it lights up red, means on heating. The heater indicator of SS-206 will flash then off, it means the temperature under control now, if it lights up red, means on heating now.

**CAUTION:** The soldering iron must be placed on the iron holder when not in use.

## Tip maintenance and use

### Tip temperature

High soldering temperature can degrade the tip. Use the lowest possible soldering temperature. The excellent thermal recovery characteristics ensure efficient and effective soldering even at low temperatures. This also protects the soldered items from thermal damage.

### Cleaning

Clean the tip regularly with a cleaning sponge, as oxides and carbides from the solder and flux can form impurities on the tip. These impurities can result in defective joints or reduce the tip's heat conductivity. When using the soldering iron continuously, be sure to loosen the tip and remove all oxides at least once a week. This helps prevent seizure and reduction of the tip temperature.

### When not in use

Never leave the soldering iron sitting at high temperature for long periods of time, at the tip's solder plating will become covered with oxide, which can greatly reduce the tip's heat conductivity.

### After use

Wipe the tip clean and coat the tip with fresh solder. This helps prevent tip to oxidation.

## Maintenance

### Inspect and clean the tip

1. Set the temperature to 250°C (482°F)
2. When the temperature stabilizes, clean the tip with the cleaning sponge and check the condition of the tip.

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