

Pro'sKit®

SS-988B 6-in-1 Multifunction Soldering Iron/Desoldering Station



Thank you for purchasing Pro'sKit product. SS-988 is a 6-in-1 Multifunction Soldering and Desoldering Station. SS-988 – the microprocessor-controlled 6 in 1 multifunction soldering and desoldering station combines with soldering iron, desoldering gun, fume extractor, LED light, soldering iron tip cleaner, USB port, solder reel stand and soldering stand, providing user a complete soldering work bench. To ensure correct and safe operation, please always follow the instructions in this manual.

1. Description

- **Soldering iron**
Soldering iron comes with ceramic heating element for fast heat recovery. microprocessor & temperature sensor ensures accurate temperature control
- **Desoldering gun**
The 50W high power and gun type design make it suitable for one hand operation, which is easily remove the residual solder from the one-sided or two sided of the PCB and suitable for fine desoldering work. The quality heating element and the sensor on the desoldering tip help to control the temperature accurately
- **Smoke absorber**
The smoke absorber helps to absorb hazardous fumes and chemical gases for protecting user's health. The filter can be changed easily and the angle can be adjusted without tools.
- **Soldering iron tip cleaner**
The cleaner comes with infrared sensor for smart detection, which allows solder removal and oxide removal. After inserting the soldering tip into the cleaning port, the device automatically starts cleaning. Once removing the soldering tip from the device, it will automatically stop and put the device to sleep.
- **LED light**
LED light offers an excellent working condition, making it more convenient and user-friendly.
- **USB Port**
USB 5V/1A power supply allows to check repaired appliance immediately.

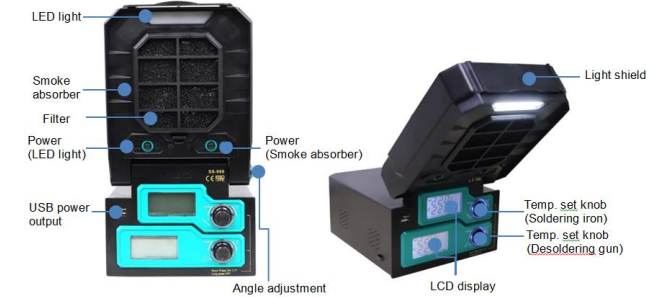
Specifications

Model	SS-988B	SS-988C	SS-988H	SS-988E
Voltage	AC220-240V 50Hz			AC110-120V 60Hz
Soldering iron/Desoldering gun	Power	250W(Max.)		
	Display	LCD (Dual color backlight)		
	Sleep mode	Idle for 10min, with temperature at 200℃		
	°C/°F display	Yes		
Soldering iron	Power	60W(Max.130W) (DC 18V)		
	Temperature	160°C ~ 480°C(320°F-896°F)		
	Tip	5SI-216N-B(included)		
	Heater	Ceramic heater (9SS-988-HT)		
Desoldering gun	Power	Heater	130W (Max) (DC 18V)	
		Pump	50W	
	Temperature	160°C ~ 480°C(320°F-896°F)		
	Suction	>600mm Hg		
	Heater	4-wire ceramic heater (5SS-988-H)		
Smoke absorber	Power	5W		
	Air volume	1.0m³/min		
Tip cleaner	Power	2W(DC18V)		
	Solder removal	Ø7mm		
	Oxide removal	Ø10mm		
	Dimensions	133*83*69mm		
LED light	Power	< 5W		
	Lumen	About 100Lm		
	Color temperature	6000 Kelvin		
USB output	DC5V 1A			
Fuse	Ø5xL20mm 3.15A/250V			
Accessories	Activated carbon filter: 2pcs(1pc mounted); Filter sponge: Ø13mmx2pcs, Ø16mmx4pcs(1pc each mounted); Cleaning pins: Ø0.7 mm /Ø0.9 mm /Ø1.2mm; Desoldering gun nozzles: Ø1.0mm/Ø1.2mm/Ø1.5mm; Soldering wire reel: Ø1.0 mm soldering wire/10g 2-in-1 soldering iron stand(with cleaning ball and sponge)			
Certification	CE, RoHS	RoHS	RoHS	RoHS
Plug				
Packaging dimensions(mm)	385x280x205mm			
Packaging weight(kg)	About 5.4kg			

2. Packing list and name of part



1. Soldering / desoldering station
2. Soldering iron
3. Desoldering gun
4. Smoke absorber & LED light
5. Soldering iron tip cleaner
6. Soldering wire stand
7. Soldering iron stand



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

Soldering station	Soldering iron stand(with cleaning ball and sponge)
Soldering iron	Soldering wire stand
Desoldering gun	Power cord
Soldering iron tip cleaner	Accessories(see specifications)

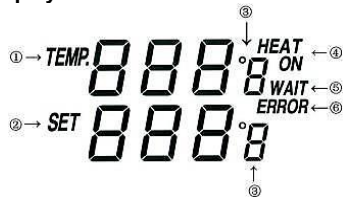
3. Operating Instruction

- Place the soldering iron or desoldering gun in the holder separately
- Then connect the plug to the receptacle on the station and turn clockwise to tighten the plug nut.
- Check the power supply to see if it is corresponding to the specification on the type plate and the power switch is on the "OFF" position
- Connect the control unit to the power supply and turn on the power, LCD screen will light up and shuffle knob become blue.
- Long press the shuttle knob of soldering iron /desoldering gun and turn to the desired temperature; short press again to switch the temperature unit display to °C or °F.
- Long press the shuttle knob to the standby mode.
- If not use for about 10 minutes, the desoldering station will be automatically transfer into sleeping mode, and the temperature reduces to 200 °C. When lift soldering iron/desoldering gun from holder and shaken slightly, the rework station will get back to working mode automatically.
- Set the temperature
 - Long press the shuttle knob and the LCD display will light up. Turn the knob clockwise to increase the temperature and anticlockwise

to lower it.

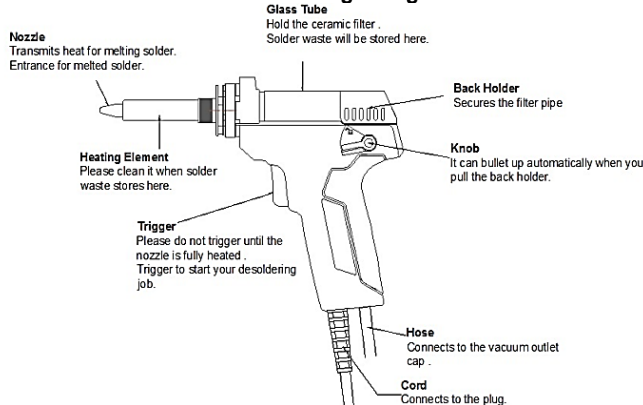
- When its actual temperature reaches the setting, the LCD display will turn from yellow into white.
- Long press the shuttle knob for 3 seconds to turn off the iron.
- It comes with temperature memory function. When you turn on the iron next time, its temperature setting will remain at what you set last time.

4. Digital display:



- ① Actual temperature of the soldering iron/ desoldering gun.
- ② Set temperature of the soldering iron/ desoldering gun. It can be adjusted by shuttle knob. After you set the temperature, the unit will reach to the set temperature quickly.
- ③ Short press the shuttle knob to change the temperature display in °C or °F.
- ④ When the actual temperature is lower than the set temperature, "HEAT ON" will be displayed, which means the unit is heating up.
- ⑤ When the temperature difference between the actual and set temperature is more than ±10°C "WAIT" will be displayed.
- ⑥ When "---" or "ERROR" is displayed, there may be some problem with the system; either the soldering iron/ desoldering gun is not correctly connected.

5. Instructions of the desoldering iron gun



• Desoldering gun maintenance

⚠ WARNINGS:

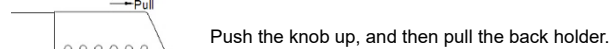
1. To avoid injury or damage to the desoldering gun, do not touch the metallic parts near the nozzle or use it near flammable items.
2. Always unplug the gun before any maintenance except for removing the solder waste.
3. If the pump does not work, clean the nozzle & heater and replace the filter immediately.
4. After use, the solder waste will be stored in the pipe. Clean it in time otherwise the solder waste will block the desoldering gun, or the solder waste will get oxidized (lead free solder's melting point is 220°C, non-lead free solder's melting point is 180°C), swelled and stuck on the inner

wall tightly. It can't be removed even with the cleaning pin.

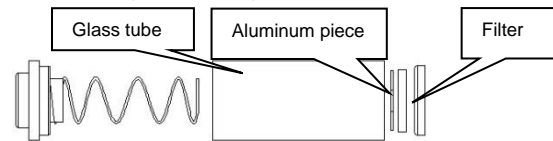


• Please follow the steps below to clean the solder waste:

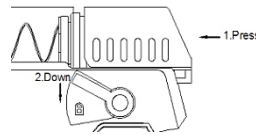
1. Push the knob up to unlock the back holder.



2. Take the spring out from the glass tube, then clean the solder waste.



3. Put the spring back to glass tube, then put glass tube back. Press the back holder, then the knob will bullet down and become locked automatically.



• Instruction

1. After each operation is finished, let the desoldering gun suck in the air 3-5 times soon, which can clean the solder waste inside the pipe.
2. If the operation interval is about 20 minutes, use the cleaning tool to clean the pipe after having the desoldering gun suck in the air.
3. When you find the desoldering efficiency gets down, please use the cleaning pin to clean the pipe immediately.
4. If the operation interval is long, it is advised to adjust the temperature to about 200°C. When you use it again, you can reset it to the working temperature.
5. When the glass tube has absorbed about 1/2 solder waste, clean it immediately. When you find the filter is getting hardened, replace it immediately.

6. Instructions of the Soldering iron tip cleaner

Powered by DC18V, the cleaner comes with dual cleaning function of solder removal and oxide removal. With infrared sensor, it starts working automatically when the iron tip is inserted in and stops when the tip is taken out. Its receptacle can easily collect all the solder waste.



• Operation:

1. Connect the cleaner's input to the main station's output of DC18V.
2. Put it at an angle or horizontally. Insert the iron tip into the hole of solder removal or oxide removal and the cleaner will start working automatically within 2 seconds. Take out the tip and the cleaner will stop working.
3. Repeat several times if necessary until the tip is completely clean.
4. Disconnect power plug when work finished or long period not in use.

5. Pull out the receptacle to get rid of the solder waste.



6. When the motor breaks down or the brushes can hardly clean tips, replace them with new brushes(model: 9SS-988-CL).

• Maintenance

1. Never use it to clean anything other than soldering iron tips.
2. Do not drop or hit it, otherwise its motor inside may break down or its performance may be affected.
3. Make sure the output voltage is DC18V 0.5A when you connect it to an external power supply.
4. Do not clean it with any solvents such as alcohol.

7. Instructions of the Smoke absorber and LED light

The smoke absorber helps to absorb hazardous fumes and chemical gases. LED light is perfect for use in dark area with a light shield on the LED to protect your eyes from dazzling light.

■ Operation:

1. Smoke absorber

With a low-noise and brushless DC motor, the smoke absorber has an air volume of 1.0m³/min. It can absorb harmful smokes to protect the health of users. Its angle can be adjusted quickly and easily and be locked firmly, which is completely safe and reliable during use.

- Press and hold the locking button at the right side and adjust the smoke absorber's angle. Then release the button to lock it.
- Turn it on/off with its switch on the panel.
- When the activated carbon filter has become pale and hardened, it needs to be changed. Take off the guard, change the filter and get the guard back in place.

2. LED light

- The LED lighting integrated on top of the smoke absorber is composed of 12 LEDs, which can provide lighting for soldering with a life of more than 10000 hours.
- Press and hold the locking button at the right side and adjust the smoke absorber's angle. Then release the button to lock it.
- Turn it on/off with its switch on the panel.
- If the LED lighting is dazzling, slide down the shade.

8. USB port

The standard universal USB port has an output of 5V 1A. It can be used to supply power to maintenance equipment or as a temporary power charger.

※For more information, please look up the on-line manual.※

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