

SOLDERING STATION

ESD-SAFE, TEMPERATURE-CONTROLLED & THERMOSTATIC

OPERATION INSTRUCTION

English

Model number	926LED	926LED V1/926LED V2/926LED V3
Control unit dimensions	L140*W115*H90mm ±5mm	L160*W123*H113mm ±5mm
Operating ambient temperature	0~40°C/32°F~104°F	
Temperature range	Fahrenheit/Celsius Conversion Function: 200°C~480°C/392°F~896°F	
	Temperature Locking Function: 90°C~480°C/194°F~896°F	
Display	LED	
Tip to ground resistance	<2 Ohms	
Sleep mode idling temperature	Fahrenheit/Celsius Conversion Function: 200°C/392°F	
	Temperature Locking Function: When the set temperature value is greater or equal to 250°C/482°F, the sleep mode idling temperature will be 200°C/392°F. When the set temperature is less than 250°C/480°F, the sleep mode idling temperature will be 90°C/194°F.	

Thank you for purchasing this product. Please read the manual carefully before operating and keep this manual for future reference.
Statement: The company reserves the right to improve & upgrade products, product specifications and design are subject to change without notice.

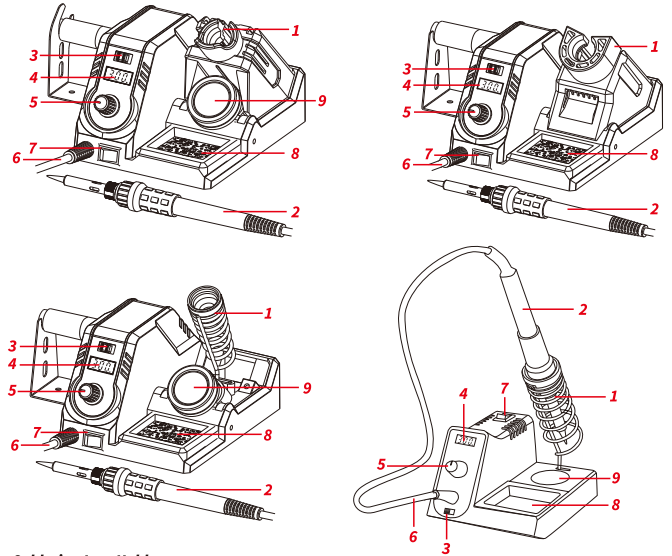
Made in China

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I. APPLICATIONS

Suitable for soldering and desoldering operations on a broad range of surface-mount, and through-hole components such as SOP, DIP, SOIC and more.

II. PARTS LIST



1. Soldering Iron Holder
2. Soldering Iron
3. Fahrenheit/Celsius Display Switch / Temperature Locking Switch
4. Temperature Display
5. Temperature Adjustment Dial
6. Power Cord (Soldering Iron)
7. Power Switch
8. Residues Tray
9. Cleaning Kit Storage Slot (The Cleaning Kit is an optional accessories)

CAUTION: Either the Fahrenheit/Celsius Display Unit or the Temperature Locking function can be selected.

III. OPERATION

1. Place the soldering iron into the holder, and connect the station's power cord to an electrical outlet.
2. Turn ON the power switch. The soldering station's heating element will begin heating as per normal, and the operation indicator turns ON. The indicator light stays ON when the soldering iron is heating, blinks rapidly when the temperature is stabilized, turns OFF when the soldering iron is cooling. Begin with the operation when the soldering station's operation indicator light blinks rapidly to indicate temperature stabilization.



Indicator for program tracking temp. at high speed and making temp. compensation.

CAUTION: Upon the first use of the soldering iron, set the temperature to 250°C/482°F. When the iron is just hot enough to melt solder, coat the soldering iron tip with a layer of solder (the use of rosin core solder is recommended), then set the temperature to your desired temperature.

3. After every use, use a wet cleaning sponge or a brass wool ball to clean the residues off the soldering iron tip. Tin the soldering iron with a new layer of solder, and place the soldering iron back to its holder. If the soldering iron is not in use for an extended period, turn OFF the power switch.

10-minute set sleep function

The station will automatically detects its own operation status. When the station detects no usage and movement for longer than 10 minutes, the soldering iron will enter sleep mode. This could effectively prevent the oxidization of the soldering iron tip, extend the lifespan of the soldering iron tip, save energy, and protect the environment.



To start-up from sleep mode:

- a. Shake the soldering iron handle a few times,
- b. Press any button once,
- c. Turn OFF and then turn ON the power switch.

Switch the display between Fahrenheit and Celsius units

This function allows the station to comply with user preferences in different regions. Flip the Fahrenheit/Celsius Display switch to change the temperature unit display mode.

Temperature Locking Function

1. Turn the temperature locking switch to the  position to lock the temperature adjustment. When in this position, turning the temperature adjustment dial WILL NOT change the temperature setting.
2. Turn the temperature locking switch to the  position to unlock the temperature adjustment. When in this position, turning the temperature adjustment dial WILL change the temperature setting.

IV. MAINTENANCE & PRECAUTIONS

1. If a layer of oxidization forms on the surface of the soldering iron tip, a misconception can be created that the soldering tip cannot heat up properly to melt the solder and do the tinning. But the actual temperatures of both the heating element and soldering tip are high. In such an instance, please do not increase the temperature value confusedly but use a metal wool ball to remove the oxidization following the steps below:
 - A. Set the temperature to 300°C (572°F).**
 - B. Once the temperature has stabilized, gently rub the soldering iron tip inside the metal wool ball.**
 - C. When the oxidization is partially removed, continue applying solder onto the tip while rubbing it until the soldering tip is completely coated with solder. If the tip is too severely oxidized beyond cleaning, replace the tip with a new one.**
2. DO NOT use metal files to remove the oxidization on the soldering iron tip. If the soldering iron tip deforms or rusts, replace the soldering iron tip with a new tip.
3. DO NOT apply excessive forces on the soldering tip when soldering. Doing so will not only damage the iron tip but also not improve the heat transfer.
4. When placing the soldering iron back in the holder to idle after a high-temperature operation, adjust the temperature to 250°C (482°F) or below for idling. Failure to do so, and leaving the soldering iron tip to idle on a high-temperature setting will cause the accelerated aging of the heating element and shorten the lifespan of the heating element and soldering iron tip.
5. After every operation, wipe off the soldering iron tip, then tin the tip with a new layer of solder to prevent oxidization.

V. TROUBLESHOOTING GUIDE

1. S-E – This is an indication that the station's sensor module is faulty. You need to replace the heating element (the heating element and the sensor modules).
2. SLP – This is an indication that the soldering station is in Sleep Mode.
3. When replacing the heating element, take note of the original connecting order and colors of the wires which MUST NOT be connected incorrectly.