multicomp PRO

Soldering Station 150W
MP741137

SPECIFICATIONS

Model	MP741137
Power	150W
Input voltage	230VAC (50-60Hz)
Temp. range	100-500℃(212-932℉)
Temp. stability	±2℃(±4℉) {>200℃(400℉)}
Temp. compensation	±50℃(±90℉)
Temp. display	digital
Tip to ground impedance	<0.1Ω
Tip to ground voltage	<2mV
Cable length	Power cord: 90cm Handle cable: 1.2m
Dimensions	main unit: 80*184*142mm handle: 24.5*224mm
Net weight	516g

Note: specifications and appearance are subject to change for product improvement without prior notice

PACKING LIST

Main unit*1 handle*1 sponge*1 brass wool*1 user manual*1

ATTENTION !!!

- This product falls under electrical appliances and must be used in compliance with safety precautions to prevent accidents.
- This manual provides essential information on accident prevention and product usage methods. Please read this manual carefully. Safely use this product, and after reading, store it for future reference.
- The product undergoes testing before shipment, so the soldering tip may contain a small amount of tin and the S.S tube might have a slight yellowish tint, which is a normal occurrence.
- Once powered on, the soldering tip can reach a high temperature of 230℃ within a short period. Please use it correctly and be cautious to avoid burns.
- We require users to have some basic knowledge of electrical operations before using this product. For underage users, it is mandatory to use this product under the guidance of professionals or guardians.

⚠ WARNING

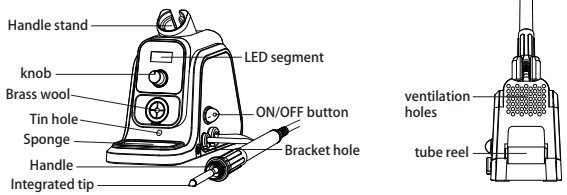
When power is on, the temperature of the soldering iron tip might reach 200-500℃ (392 -932℉). Misuse may cause burns and fire, please strictly observe the following precautions:

- Do not use it around combustibles
- This appliance is not intended for use by persons(including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledgee, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety
- Children should be supervised to ensure that they do not play vwith the appliance
- Do not use or operate this product with wet hands or in damp environments to prevent electric shock.
- Do not modify this product or its accessories without authorization.
- When replacing parts or soldering tips, ensure the power is turned off and wait for the device to cool down completely before proceeding.
- Use original manufacturer parts when replacing components of the product.
- Always turn off the iron when the product is not in use or temporarily not needed.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

WARRANTY TERMS

- We offer a one-year limited warranty for this machine (excluding consumables such as soldering tips and heating elements).
- The warranty covers materials and manufacturing defects from factory shipment collection date and includes both replacement parts and labor.
- The warranty becomes void if the damage is caused by improper use or if the equipment has been altered or repaired by unauthorized personnel.

PRODUCT APPEARANCE



(MP741137)

Knob：used for tempr. and parameter setting
Blue light ring：to display the machine status
Brass wool：to clean the soldering tip
Sponge：to clean the soldering tip
Bracket hole：to install support arms
Tube reel：used for solder wire spool

SCREEN DISPLAY EXPLANATION

Screen display	Function	Screen display	Function
SLP	auto sleep	Unt	temp. unit
CAL	temp. calibration	uXX	software version
LOC	temp. locking	OFF	power off
Stb	auto standby		

OPERATION

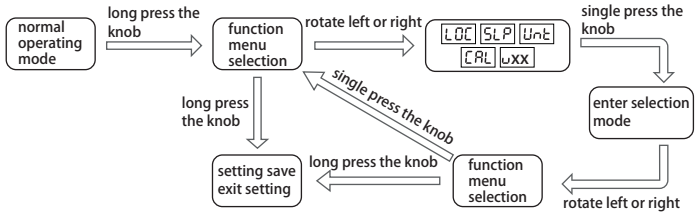
Power On: plug in the power cord, turn on the ON/OFF button, and the blue halo lights up.
*Set the temperature to 350℃. It takes approximately 19 seconds for AE380, 17 seconds for AE380D, and 14 seconds for AE3150D to heat up from room temperature (28℃) to the set temperature.

Heating: after powering on, rotate the knob to set the appropriate temperature.

Power Off: turn off the ON/OFF button, and the blue halo turns off.

FUNCTIONS SETTING

Function Settings



Auto standby/Auto sleep Function

Long press the knob button to enter the function settings menu. Rotate left or right to switch until the screen displays SLP.
Short press the knob to enter function selection. Rotate left or right to select on or oFF.
*Once enabling the auto standby/auto sleep mode, the machine will enter standby status after 3 minutes of inactivity, and the display shows Stb. The heating temperature is reduced to set temperature (250℃ maximum). If the machine remains in standby mode for another 10 minutes, it enters sleep mode and turns off the heating. During standby period, if the machine detects any movement, or if the adjustment knob is short-pressed, it will resume to the working mode. Short-press the knob button in OFF status to return to the working mode.

Temperature unit switch

Long press the knob button to enter the function settings menu. Rotate left or right to switch until the screen displays Unt.
Short press the knob to enter function selection. Rotate left or right to select -C- or -F-.

Temperature calibration

1. Adjust the set temperature to 350℃(662°F). Wait for 1 minute to stabilize the temperature. Use a temperature measuring tool to confirm the current temperature of the heater.
2. Calculate the compensation temperature: Compensation Temperature = (Selected Temperature 350°F) - (Actual Measured Temperature). If the result is a positive number, increase the temperature; if it's a negative number, decrease the temperature. Temperature compensation range: +50 to -50℃ or +90 to -90°F.
3. Long press the knob button to enter the function settings menu. Rotate left or right to switch until the screen displays [CAL]. Short press the knob to enter function selection. Rotate left or right to input temperature compensation value. Short press the knob button to exit the function settings menu interface. Long press or short press the knob to save the current settings and return to the heating interface.

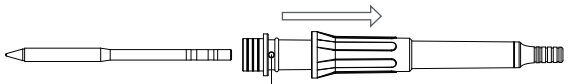
Temperature locking

Long press the knob button to enter the function settings menu. Rotate left or right to switch until the screen displays [LOC].
Short press the knob to enter function selection. Rotate left or right to switch between [on] or [oFF] to enable or disable the temperature lock function.
*After enabling the temperature lock function, the temperature cannot be adjusted. When rotating the adjustment knob left or right, the screen displays [Loc].

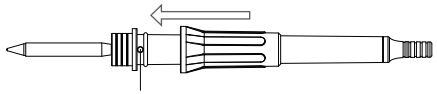
Software version

Long press the knob button to enter the function settings menu.
Rotate left or right to switch until the screen displays [uXX].

INTEGRATED TIP REPLACEMENT



Loosen the screw using a flat-head screwdriver and remove the integrated tip



Insert the integrated tip and tighten the screw

To prevent electric shock, be sure to unplug the power cord before replacing the integrated tip!

1. Unplug the power cord and wait for the integrated tip temperature to drop to room temperature.
2. Refer to above picture, push the handle silicone sleeve to the right until the fixing screw of the integrated tip is exposed.
3. Use a flat-head screwdriver to rotate counterclockwise and loosen the screw. Then, remove the integrated tip.
4. Insert the replacement integrated tip into the handle. Note: Ensure the integrated tip is inserted to the bottom.
5. Reinsert the screw and tighten it. Be cautious not to overtighten the screw, just ensure the integrated tip is secure and not easily pulled out.
6. Push the handle silicone sleeve to the left to reset.

Note: When replacing the integrated tip, choose an integrated tip that corresponds to the machine's voltage.

MAINTENANCE

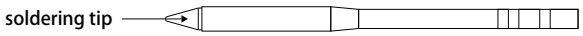
In order to ensure the durability of this product, regular maintenance is recommended. The lifespan of this product depends on the used temperature, quality of solder wire and soldering paste, frequency of use etc. Please repair and maintain it according to specific use conditions.

⚠ Warning **Please pay close attention when the product is in use at high temperature or operation status. Unless otherwise specified, cut off the power and unplug the product after use.**

Excessive temperatures can reduce the soldering tip's lifespan. Before soldering, clean off any oxidation or old solder residues from the tip. After soldering, clean the soldering tip, re-tin it with new solder to prevent oxidation. Residues from solder flux can lead to oxidation and carbide formation on the soldering tip, impairing its performance and causing welding errors. For prolonged and continuous use of this product, it is advisable to clean off oxidation residues weekly.

Soldering iron tip maintenance

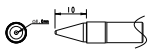
1. Set the temperature to 250℃ (480°F).
2. After the temperature stabilizes, clean the soldering tip with a brass wool and check its condition.
3. If there is black oxide attached to the soldering tip, apply new solder (containing flux), and repeatedly wipe with a brass wool until the oxide is removed. Then apply new solder.
4. Turn off the power and remove the soldering tip using a heat-resistant pad; let it cool down.
5. If flux residues or other contaminants cause discoloration on the soldering tip, clean it with alcohol or an equivalent solution.
6. Do not use sharp tools like files to remove oxides.



TROUBLESHOOTING GUIDE

Failure phenomenon	Examination	Dealing method
Not working after power is on	Check if the power cord or the connecting plug is loose or disconnected	Reconnect the power cord or the connecting plug
The display shows [S-E]	Whether the heater is well inserted into the cartridge	Reinsert the heater
	Check if the heater is damaged (Check resistance of the heater is within the specified range).	If damaged, replace the heater
The display shows [H-E]	Check if the heater installed securely	Determine if the heater is damaged
	Check if the heater is damaged (Check resistance of the heater is within the specified range).	If damaged, replace the heater
The soldering tip is sometimes hot and sometimes not	Replace the heater	Determine if the heater is damaged
	Check if the heater has poor contact	Reinsert the heater
Solder won't attach to the soldering tip	Check if the soldering tip temperature is too high	Adjust to suitable temperature
	Check if there's oxidation on the soldering tip	Wipe off the oxidation with brass wool
The soldering tip temperature is too low	Check if there's oxidation on the soldering tip	Wipe off the oxidation with brass wool
	Check if the temperature is set correctly	Readjust to the correct temperature

REPLACEMENT SOLDERING TIPS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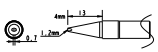
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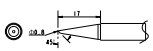
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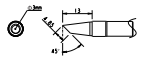
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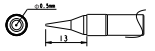
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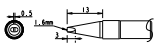
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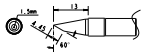
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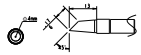
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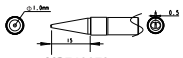
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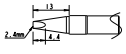
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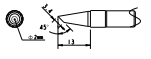
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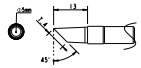
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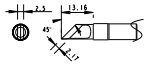
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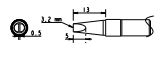
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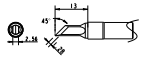
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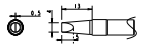
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(More soldering tips information please contact us)

INFORMATION ONW ASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.

MADE IN CHINA
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