

Lead Free Soldering Pot

INSTRUCTION MANUAL



Thank you for purchasing the Lead Free Soldering Pot. Please read this manual before operating the unit. Store this manual in a safe, easily accessible place for future reference.

1. Safety Instruction

The “WARNING” and “NOTE” are defined as followings:

△WARNING: misuse the unit may cause death or grievous bodily harm.

Please strictly abide the safety instruction for protecting the people from shocking or firing or bodily harm.

△NOTE: misuse the unit may cause body flesh wound or mangling the other objects. Please strictly abide the safety instruction for protecting the people from shocking or firing or bodily harm.



- Please read this operation manual before operating the unit for avoiding the accident.
- The unit must use three grounding cord and socket for good grounding, including the prolonging power cord.
- Do not use the unit to other task except to melt the soldering tin.
- Before taking out the pot, it must unscrew the five screws fixing the soldering pot at the bottom of the unit.
- The maximal temperature can be up to 450°C, please pull out the power socket when changing some parts of the unit after it has cooled down.
- Do not use the unit near the corrosive or flammable gas and the other flammable materials.
- The unit must be put on the flat workbench and not incline it when working. Make sure the workbench is heat resistant.
- When using the unit, do not do some action may be harmful to the body or damage the other objects.
- The unit will be very hot during using and do not touch the metal parts before the unit cooling down.
- When moving the unit, it must switch off the power supply and the unit has cooled down.
- Please do not make bold to change the unit.
- It is an electro thermal unit with high temperature. When the unit is not in using for a period of time, it must switch off the power supply.

Suggest: * If using lead soldering tin, it should check at least one time each year (as the setting temperature is 250°C and the work time is five days each week and eight hours every day).

* If using lead-free soldering tin, it should check at least one time each half-year (as the setting temperature is 250°C and the work time is five days each week and eight hours every day).

C. Change the pot

- 1) Turn off the power supply and take out the sensor from the melting tin and then do not take out the pot until the unit has cooled down.
- 2) The pot is fixed by the one screw at the back of the unit (as the following picture). Unscrew the one screw and then takes out the pot from the upside and then change a new pot as the opposite order.



!NOTE

- No leave the unit at side when it is still highly hot and has not other persons at side for avoiding accident.
- No use the unit in the damp surrounding or with moist hand for avoiding accident.
- No use the unit with the broke power cord.
- When the temperature is above 300°C, it will oxide the soldering tin and shorten the life of the unit. Use the unit at the as lower temperature as possible.
- The unit must maintain by the special persons when it in malfunction. Or else, you can contract with our company or the agent.

2. Characters

- Closed-loop sensor controls the temperature and zero triggering without interfering with the voltage.
- With digital calibration and temperature adjusting.
- It can set the work time (off time setting).
- With the special metal (anti-erosion and heat-resistant) and putting into service for lead free life is long.
- Heating speed is rapid and the temperature is stable and accuracy.
- The structure is smart and in reason. And the usage is easy.

3. Specifications

Power:	600W
Pot dimension:	98*121*58(H) mm
Temperature range:	100°C~450°C
Work time range:	0~999hours
Temperature stability:	± 5°C
Weight:	4.35 kg (including power cord)
Dimension:	200(L)*330 (W)*110 (H) mm

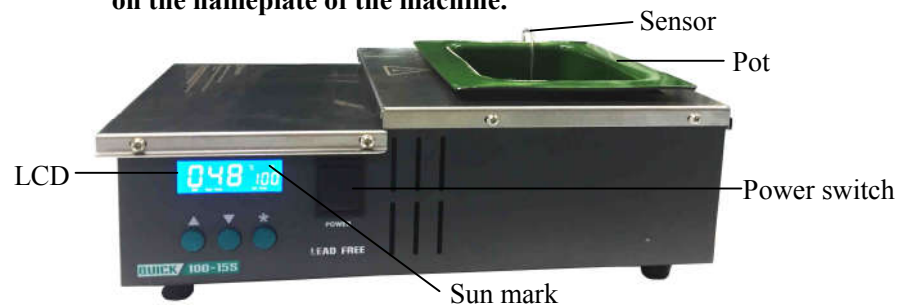
4. Parts

NO	Name	Quantity
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1	Unit	1
2	Slag remover	1
3	Operation manual	1
4	Warranty card	1
5	QC pass card	1

5. Operation

Warning: Ensure that your power supply data agrees with the information on the nameplate of the machine.



- Put the unit on a flat workbench, which is heat-resistant.
- Put condign soldering tin into the pot. The lowest soldering tin must be higher than the sensor's bottom, the highest tin must be below the pot's top edge 10mm.
- Plug the three-hole connector into a power supply.
- Turn on the power switch and the LED displays work menu.
- Press “▲” or “▼” key to adjust the set temperature value.
- Sun mark: the unit is heating status.
Sun mark flashing: the unit will reach the required temperature (Lower the rate of temperature rise).
Sun mark disappearing: the unit has reached the required temperature and the heater element will not work.
- Shut down the power switch and cool the unit to room temperature.
- Off time setting:** Turn off the power switch. Press “▲”“▼” keys simultaneously for 3s and turn on the power switch to enter off time menu, Pressing “▲” or “▼” key to adjust the off time value. Pressing “*” key to save it.

6. Temperature calibration

It should be recalibrated after changing the pot or replacing the heating element.

- Set the unit to 300°C by “▲” or “▼” key.
- Put the thermometer sensor into pot when the LCD displays 300°C.
- Press “▲”“▼” and “*”keys simultaneously for 3s to enter calibration menu.
- Enter a constant value which displays on the thermometer into the LED.
Press “▲” or “▼” key to adjust the temperature value.
- Press “*” to calibrate it.
 - We recommend using a thermometer of QUICK 191AD/192!

7. Maintenance

Note: when the heater or the sensor has been in malfunction, it must maintain by the special person or contract with our company or dealer.

A. Judge the heater element or the sensor has been in malfunction as the following:

- S - E** : If the LED displays “S-E” and the unit alarms, it means the sensor or the sensor circuit has been in malfunction. The circuit to the pot is cut off.
- If the setting temperature of the unit is high but the soldering tin's temperature in the pot still is about room temperature after heating a period of time. At the moment, it can judge the heater element is in malfunction.

B. Because the pot may be eroded after using a period of time, it must check the pot periodically.