

# SOLDER

P E A K

## SP-1011DLR



# SOLDER PEAK

## DESCRIPTION

SP-1011DLR Soldering & Reworking Station is suitable for soldering and desoldering all type of surface mounted IC and prevents any damage to the PCB or components. This tool is used in the fields of electronic research, teaching and production, especially in the repairing and reworking on the electronic appliances and communication equipments.

## TECHNICAL SPECIFICATION

STATION		SOLDER		HOT AIR SMD REWORK	
INPUT VOLTAGE	220-2400VAC	VOLTAGE	24VAC	VOLTAGE	110-130VAC 220-2400VAC
POWER CONSUMPTION	60W+320W	POWER	60W HEAT UP RATING 130W	CAPACITY	24L/MIN(MAX)
MAIN FUSE	3A	TEMPERATURE	160°C-480°C	POWER	320W
AIR PUMP	DIAPHRAGM	HEATING ELEMENT	CERAMIC HEATER	TEMPERAT.	160°C-480°C

## OPERATING INSTRUCTIONS

**Caution :** Make sure that the four screws which are used to fasten the Diaphragm pump are removed from the control system before use. Otherwise serious damages may be caused to the user and the system.

1. Place the soldering iron and the hot air gun in the holder separately. Then connect the plug to the receptacle on the station and turn clockwise to tighten the plug nut. Check that the power supply 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 switch on the power and then switch on the soldering iron or the SMD rework unit at the power switch. Then a self-test is carried out in which all display elements are switched on briefly. The electronic system then switches on automatically to the set temperature and displays this value.

**Caution:** When the power supply is connected (while the power switch is on the "OFF" position), the soldering iron and the hot air gun will be on the pre-heating status, and the hot air gun will blow air automatically for one minute.

- 2 The display and temperature setting

The digital display:

① shows the actual temperature of the soldering tip or the nozzle of the hot air gun.

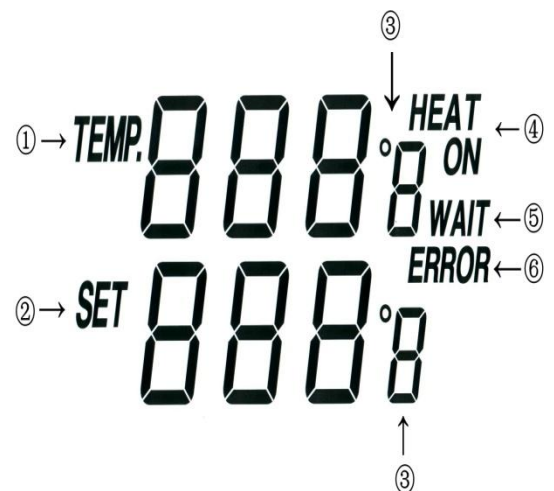
② shows the setting temperature. Pressing the "UP" or "DOWN" button can switch the digital display to the set point display. The set-point can be changed for  $\pm 1^\circ\text{C}$  by tapping the "UP" or "DOWN" button. Pressing the button will change the set-point quickly. The digital display will return automatically to the actual value and the iron will reach to the setting temperature quickly.

③°C/°F display: Switching the temperature display from °C to °F by pressing the "°C/°F" button and then the electronic system will display the actual temperature ① and setting temperature ② in °F, and vice versa.

④When the actual temperature on the soldering tip of the nozzle is less than the set-point, "HEAT ON" will display and make the soldering tip or the nozzle heating up.

⑤When the absolute offset is more than  $\pm 10^\circ\text{C}$  between the actual temperature and the set-point on the soldering tip or the nozzle, "WAIT" will display. It means that the temperature electronic control system is not in the stable situation, we should wait a moment to let the "WAIT" disappear.

⑥When "ERROR" display, there may be a trouble on the system, or the soldering iron is not connected to the control system correctly.



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## SAFETY INSTRUCTION

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- The manufacturer assumes no liability for uses other than those described in the operating instructions or for unauthorized alterations.
- The operating instructions and cautions should be read carefully and kept in an easily visible location in the vicinity of the control system. Non-observance of the cautions will result in accidents, injury or risks to health.

## CAUTION

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1. The power cord only can be inserted in approved power sockets or adapters.
2. Automatic Blowing Function  
Please note that the SMD rework system will automatically blow air after following operations to cool down. The power switch of the SMD rework system should be switched to "OFF" position if you want to stop the SMD rework system. This action will stop in about one minute (Do not disconnect the plug during cooling.). And then switch off the tool and disconnect the plug.
- 3 High Temperature  
The temperature of the soldering tip or the nozzle will reach as high as around 400°C( 752°F) when the power switch is on. Since mishandling may lead to burn and fire, be sure to comply with the following precautions:
  - Do not touch metallic parts near the soldering tip/ nozzle.
  - Do not use this system near the 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 off the power switch while taking breaks and when finishing using.
  - Before replacing parts or storing the system, turn off the power and let it cool down to the room temperature.
- 4 Take care of your tools
  - Do not use the tools for any applications other than soldering or desoldering.
  - Do not rap the iron/gun against the work bench or otherwise subject the iron to severe shocks.
  - Do not file the soldering tip to remove the oxide, please wipe the tip on the cleaning sponge.
  - Use only accessories or attachments which are listed in the operation manual. Use of other tools and other accessories can lead to a danger of injury.
  - Please turn off the power before connecting or disconnecting the soldering iron.

### ATTENTION:

While soldering iron heating is in progress ("HEAT" or "WAIT" shown on the display), it is forbidden to press any button on the station. When soldering iron is powered up from cold state, a temperature overshoot may occur. This is a normal process and it speeds up heating of the tip.

### WARNING:

Please check before transport of the station if the four screws for fastening of the diaphragm pump are screwed. Screws are situated at the bottom of the station. Without the screws the pump may get loose during transport and cause damage of other components of the station. Warranty does not cover problems caused by not following the above instructions.

1. Maintenance  
Before further use, safety devices or slightly damaged parts must be carefully checked for error-free and intended operation. Inspect moving parts for error-free operation and that they don't bind, or whether any parts are damaged. Damaged safety devices and parts must be repaired or replaced by a qualified technician, so long as nothing else is indicated in the operation manual. Use only accessories or attachments which are listed in the operation manual. Use of other tools and other accessories can lead to a danger of injury.
2. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety Young children should be supervised to ensure that they do not play with the appliance.
3. Protect yourself against electrical shocks  
Avoid touching grounded parts with your body, e.g. pipes, heating radiators and so on. The grip of antistatic designed soldering tool is conductive.
4. Work environment
  - Do not use the soldering tool in a moist or wet environment. The soldering iron and the hot air gun should be placed on the holder after finished using.