



Polo scientifico tecnologico

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TECHNICAL SPECIFICATIONS

E System Air Selective Hot Air SPECIAL Features:

1. Only 10s needed to desolder IC.
2. Can set password to protect menu from inadvertent changes.
3. Key-lock function available, protect parameters from inadvertent changes.
4. Excellent desoldering efficiency and speed. The whole process includes six programming phases, in which process parameters can be set according to needs.
5. 10 program channels available.
6. With vacuum suction pen, easy to use.
7. Large LCD display shows temperature, air volume, working time etc.
8. Temperature calibrates digitally, easy and convenient.
9. Magnetic switch or pedal switch available; easy to use.
10. Accurate temperature control; Closed-loop temperature control ensures temperature stability up to 2 .
11. Auto sleeping, energy-efficient. With the automatic cooling function, it can prolong the life of heating element and protect the unit.
12. Working time can be set with the range from 1-999s.



Power:	1300W
Temperature range:	100-500°C
Air volume:	6 to 200l/min
Dimensions:	250*230*150mm
Weight:	3,8Kg
Anti ESD system	

HOW TO USE

CAUTION

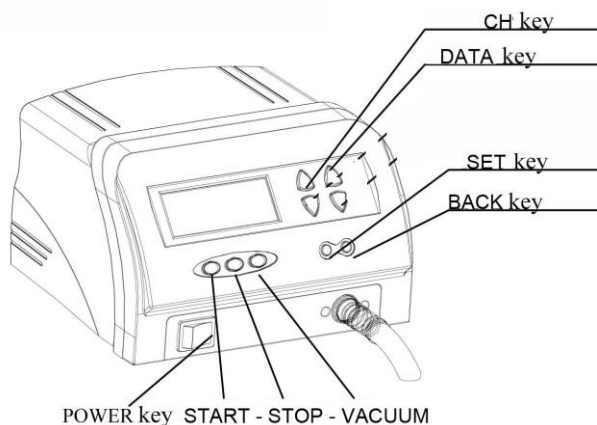
To prevent accidents and failures, be sure to observe the following precautions:

1. The air outlet and its surrounding area maybe very hot. Please take great care and not to be burned.
2. The handle must be placed on the holder after work. The unit can be turned off only after it cools below 100(standby mode) automatically. Never place it on workbench or other places.
3. Please keep the air outlet clear and not be blocked.
4. Do not place the sharp object besides the tube.
5. Keep the air outlet at least 2mm from the object.
6. Select the appropriate nozzle according to demands. Differences in temperature may exist when different nozzle is used.
7. Turn off the power switch if not using in a period of time. Disconnect the power cord when not in use for a long time.
8. Handle with care not to shock the unit sharply.
9. Keep the unit out of reach of children.
10. Don't operate the unit with wet hand or when the power cord is damp to avoid short circuit or electric shock.
11. Never use this unit in flammable gases or near other flammable materials. After using, don't put it near the flammable gases or materials.
12. Some areas such as behind walls, ceilings, floors, and other panels may contain flammable materials which may not be found. The ignition of these materials could result in property damage and injury to persons. When working in these locations, move the handle back and forth and not pause at one point for protecting the flammable materials from ignition and others from broke.

FEATURES

1. There are up to 9 profiles that can be set with many parameters including temperature, time and airflow.
2. There is lock function to make only have one channel in work state and the menu setting with password protect.
3. Real time operation and there are two methods of work controlling to select: single control (by magnetic switch) or double control (by pedal switch and magnetic switch).
4. With automatically sleeping function and it can set parameters in the sleeping state.
5. Closed loop sensor, temperature can be controlled by zero voltage triggering mode. Large power and rapid heating. Temperature can be conveniently adjusted and the temperature is accurate and stable and not affected by airflow.
6. It is with a brushless whirlpool motor and the airflow is adjustable with a wide range but no level. It is a multipurpose unit.
7. Automatic cooling system can prolong the heating element's life and protect the handle.

KEYS



POWER key:	ON-OFF
START key:	start profiles
COOL/STOP key:	stop profiles or activate cooling down
Vacuum key:	start vacuum pen
CH /key:	change channel or parametres
DATA/key:	to select the profiles
SET /key:	slect the parametres values during sleeping mode
BACK key:	back to the previous menu

MENU AND FUNCTIONS

When the station is OFF press simoultaneously “set” e “back” and switch ON.

Within 5 second press any key to enter in the stting menu:

1° Parameter: password (default is “000” to change password follow instructions below:

1. Insert default password (with “data” keys select “0” 3 times using “back” key to confirm
2. press simoultaneously “START” e “STOP” and insert the new password then insert it again as point 1

WITHIN 5 seconds FROM INSERTING THE PASSWORD PRESS THE COMBINATION OF KEYS BELOW TO ACTIVATE THE FUNCTIONS:

2° Parameter: pressing “SET” key push “START” to activate or deactivate the audible alarm (the symbol will appear on the display)

3° Parameter: pressing “SET” key push COOL/STOP to activate or deactivate the pedal foot control (or other external control), the symbol will appear on the display

4° Parameter: pressing “SET” key push VACUUM to activate or deactivate changes block (the symbol will appear on the display)

When finished settin gpress “back” key.

When station is ON and in use press the DATA, CH, SET and BACK keys to do:

DATA to select the “working zones” (every profile has 6 zones to be changed and the 6th is cool down zone) and change all the 3 parameters: time, air, temperature

CH to change from channels (9 maximum available)

SET to show channels and parameters

BACK to go back to previous menu during changes

To save on channels the parameters keep pressing the SET key and the desired channel.

The stand by system is automatic when the tool is on the tool holder

Note:

When the time parameter window displaying “---”, it means the system will be in the work state and without work time limited. Base on the system can fulfill the soldering or de-soldering, using as low temperature as possible and as big airflow as possible for prolonging the heater’s life and protecting the element. It must switch off the power supply if not using in a period of time. The pedal switch is option. When the unit can be controlled by the pedal switch, it must do some set “” in the menu setting.

SLEEPING MODE

HOW TO GO INTO THE SLEEPING STATE

1. When the work time counting down finishes, the system will come automatically to the sleeping state.
2. Put the handle on the handle holder, the system will come automatically to the sleeping state.
3. If the system is controlled by pedal switch, when springing the pedal switch in the work state, the system will come to the sleeping state.

4. During the system from work state to the sleeping state, the time parameter window will display "OFF", and then the temperature will cool down 100 into sleeping state. When in the sleeping state, the LCD will display "" and "---".

HOW TO RESUME FROM THE SLEEPING STATE

1. Take down the handle from the holder.
2. If the handle is not put on the holder and the system is only controlled by the magnetic switch, spring the pedal switch in the sleeping state, the system will come into the work state at once.
3. If the handle is not put on the holder and the system is controlled by the pedal switch, spring the pedal switch in the sleeping state, the system will come into the work state at once.

In the work state, the LCD will not display

ERROR MESSAGES

The system will give error information when there is something wrong with it and alarms continually till cutting off the power supply. If the "LCD" display error marks as following, please solve them as the troubleshooting.

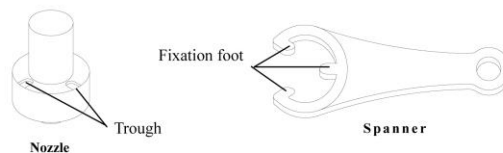
(SE) Sensor error: If there is some malfunction in the sensor or in the sensor circuit, the temperature parameter of LCD will display "S-E" and the power supply to the handle will be cut off.

(HE) Heater error: If there is something wrong with the heating element, the temperature parameter of LCD will display "H-E" and the power supply to the handle will be cut off.

(ERROR) Motor error: If there is some malfunction in the motor or in the motor circuit, the airflow parameter of LCD will display "ERROR" and the power supply to the motor will be cut off.

HOT TO PUT NOZZLES

1. Place the selected nozzle on the air outlet of the handle's steel tube. The four-fixation nozzle must be in the four slot of steel tube.
2. Turn the nozzle clockwise till it is unable to turn.
3. Place the three fixation feet of spanner in the three slots of nozzle. Turn the nozzle clockwise with the spanner.
4. When disconnecting the nozzle, with the spanner unlocking it, turn the nozzle anticlockwise and take out the nozzle after it is loose.



HEATER REPLACEMENT

1. Replace the heating element after the handle has cooled down.
2. Screw down the fixation screws in handle and then take off the handle house.
3. As shown in the diagram, move back the spring in the handle module and take out the steel tube.
4. Cut off the strap, disconnect the sensor cord and the connector, ground cord and ground socket. And then take out the steel tube and the broke heater element.
5. Wrap the mica on the new heater element and insert into the steel tube. It is better to right insert into the steel tube and cut off the unwanted mica.
Note: the sensor cords of heater element put on the red and yellow pyro condensation tubes and on the opposite part of the ground cord.
6. Reassemble the handle according to the opposite order of disassembling. The heater part of the heater element must be insert into the end. The sensor cord has polarity and it must connect with the same color.
7. Avoid invalidate the ground cord when replacing the heater element.

