WELLZION

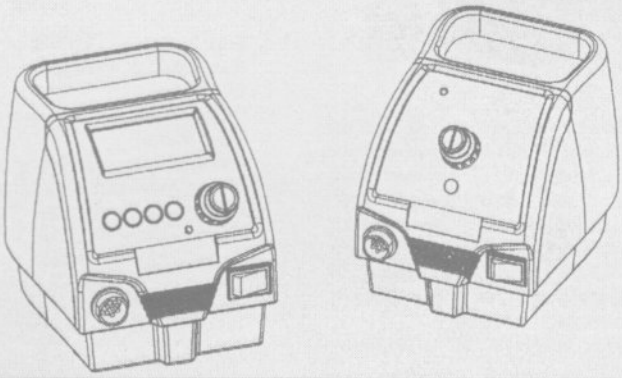
AM-W380A


1
2
ENTER
200℃
300℃
400℃
MENU

Operation Instructions

Intelligent thermostatic Solderding Station

Thermostatic Solderding Station



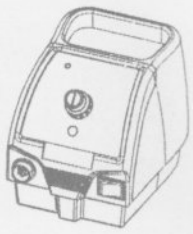
AM-W380A

Thanks for choosing our product.
Read this instruction
carefully before use.

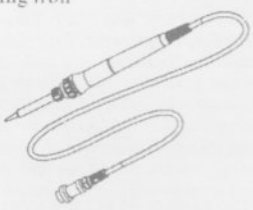
⚠ Improper operation may cause burn and fire.

Chapter 1 Packing list

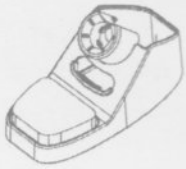
1 . One thermostatic Solderding Station



2. One soldering iron



3 . One soldering iron seat (including clean sponge)



4. One operation instruction

Chapter 2 Technical characteristics

Model	AM-W380A
Input voltage (V)	220
Output voltage (V)	28
Maximum power (W)	60
Temperature range (℃)	200 ~480
Temperature stability(℃)	±1
Display mode	—— 128X64 matrix display screen
Earth impedance of welding (Ω)	<2
Welding tip-to-earth voltage (mV)	<2
Intelligent heat dissipation	——

II Functional characteristics.

1. Brand-new appearance, bright color and convenience for operation.
2. Small parts box is provided at the top for convenient use and energy saving.
3. It is equipped with radiator fan to work stably and prolong the service life.
4. The temperature of welding tip rises rapidly to reach the setting temperature within a short time.
5. The handle is light and handy and makes you feel comfortable.
6. Tensile wire is provided for handle wire so that the wire is durable and difficult to break or abrupt.
7. Reliable earthing design provides absolute protection for operators and elements.
8. LV power supply for the heating element, electrostatic prevention, without electric leakage and interference.
9. The inflaming retarding shell provides higher safety guarantee and strong durability.
10. Welding slags can be cleaned and removed from the Solderding Station easily.

AM-W380 AM-W380A AM-W980 AM-W980A AM-8060L AM-8090L Its characteristics are as follows

1. The 128X64 matrix display screen used is friendly human-machine interface.
2. Microcomputer temperature control guarantees accurate temperature and endless adjustment for different operating conditions.
3. Measurement in Fahrenheit's temperature and centigrade temperature can be switched over to adapt to different habits.
4. Its password protection function can prevent improper temperature adjustment by the operator.

AM-W960 AM-W980 Automatic sleep function

1. For AM-W980 ,5-30-minute function of handle can be set by computer.
2. The AM-W960 has the function of 15-minute automatic handle sleep.

Chapter 3 Cautions

After power-on, the temperature of welding head is higher than 200~480 ℃(392~896℉).

⚠ Improper operation may cause burn and fire.
The following cautions shall be followed strictly:

1. Never touch the welding head and surrounding metal part.
2. Never use the welding head near combustibles.
3. Inform surrounding persons that the welding head is scorching hot, and never touch it.
4. Switch off the power supply when pause, completion and leaving.
5. To replace the parts, turn off the power supply and then operate after the welding head is cooled down to room temperature.

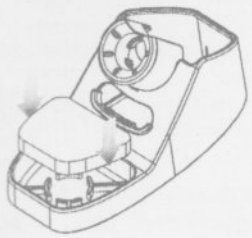
Follow the following cautions to avoid fault of welding table and guarantee safety of operating environment:

1. Never use the welding head except welding.
2. Never refit this product.
3. Original parts or parts accepted by the original manufacturer shall be used to replace the parts.
4. Never moisten the welding table and never use the Solderding Station with wet hand.
5. Never knock the soldering iron with force to avoid serious damage to it.
6. Smoke will emit during welding, so it shall be used in well-ventilated place.
7. In case of any fault during operation, it shall be repaired by qualified electrical technician or designated person of our company.

Chapter 4 Use method of AM-W260 AM-260A AM-W960 AM-W960A AM-8060 AM-8090

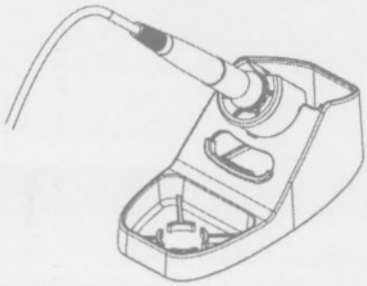
I. Operation steps

1 . Soak the cleaning sponge in water, dry it and then place it on the soldering iron support.



2 . Connect the plug of soldering iron with the socket in front of the Solderding Station.

3. Place the soldering iron on its support.



4. Turn the temperature control knob to the position of 200℃.

5 .Connect the power supply and switch it on. The power light will be on.

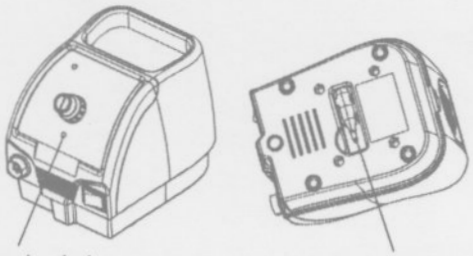
⚠ Note: Make sure to use the earthed electric outlet.

6. Turn the temperature knob to the required temperature position.

⚠ Note: Place the soldering iron on the support when it is not in use.

II. Temperature adjustment and calibration.

1. The temperature of soldering iron shall be calibrated regularly.
2. Welding heads replaced with different models and specifications, the temperature required also varies, which needs to be adjusted accordingly.
3. There is temperature correction hole on the panel and temperature adjustment screw driver near the bottom of welding table. The user can remove the silicone lid on the temperature correction hole and adjust with the screw driver. After adjustment, cover the silicone lid and place the screw driver at original position at the bottom.
4. For products with matrix display screen, use the temperature calibration setting in the menu.



Correction hole Screw driver

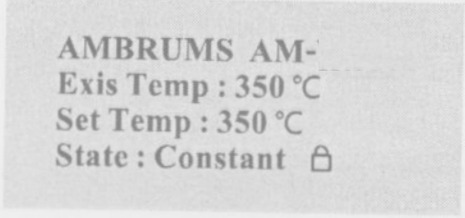
Chapter 5 AM-W380 AM-380A AM-W980 AM-W980A AM-8060L AM-8090L welding table setting

I. Operation steps

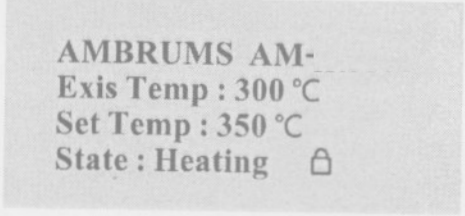
For installation of AM-W380 / AM-W380 A/AM-W980 AM-W980A/AM-8060L/AM-8090L intelligent thermostatic Solderding Station,refer to operation step 1,2,3and 5 of AM-W260/AM-W260A/AM-W960/AM-W960A/ AM-8060/AM-8090 thermostatic Solderding Station.

II. Main interface of display screen.

It displays the following in normal condition:



The second line shows the actual temperature of soldering iron.
The third line shows the setting temperature of soldering iron.
If the actual temperature is equal to the setting temperature, the fourth line shows that the state of welding table is thermostatic.



If the actual temperature is different from the setting temperature,
the fourth line shows that the state of Solderding Station. is heating.
The fourth item "lock" indicates that the setting temperature is locked, and you must unlock it before making adjustment.

When the handle enters the automatic sleep state, it shows the following:

AMBRUMS AM-
Exis Temp : 350 ℃
Set Temp : 350 ℃
State : Standby

But AM-W380/AM-W380A/AM-W980A/AM-8060L/ AM-8090L has no menu of "standby time setting".

If the "setting temperature" is not locked, it displays the following:

AMBRUMS AM-
Exis Temp : 350 ℃
Set Temp : 350 ℃
State : Constant

Or

AMBRUMS AM-
Exis Temp : 300 ℃
Set Temp : 350 ℃
State : Heating

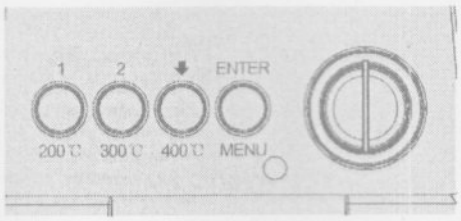
Or

AMBRUMS AM-
Exis Temp : 350 ℃
Set Temp : 350 ℃
State : Standby

If the soldering iron is not connected with the soldering iron or the soldering iron has faults, it displays the following:

AMBRUMS AM-
Exis Temp : XXX℃
Set Temp : 350 ℃
Signal Error

III. Setting of "Setting temperature"



If the "Setting temperature" is not locked, press key 200℃, 300℃ and 400℃ to set the "Setting temperature" to be 200℃, 300℃ and 400℃ respectively. (Fahrenheit's temperature 392℉, 572℉ and 752℉ respectively) Turn the knob to make fine adjustment. Turn it to left for decrease and turn it to right for increase.

IV. System setting

1. Log in to the system to set the interface

AMBRUMS AM-
Password : _ _ _ _ _ _

Press key "MENU" for two seconds to enter the "Login interface". Enter a 6-digit password to enter the main menu. The default password is111111.

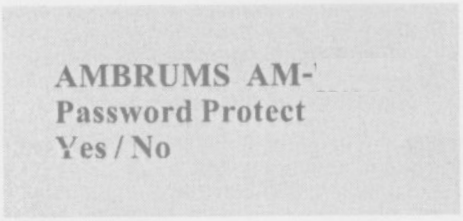
AMBRUMS AM-
1 Password Protect
2 Set Max Temp
3 Temp Calibration
4 Change Password
5 Select Temp Unit
6 Set Standby Time
7 Exit

AM-W980 product has the function of "standby time setting", but AM-W380/AM-W380A/AM-W980A/ AM-8060L/ AM-8090L has no menu of "standby time setting".

2. Set whether to lock the "setting temperature" or not

For AM-W380/AM-W380A/AM-W980/AM-W980A/ AM-8060L/AM-8090L intelligent thermostatic welding tables, the "setting temperature" can be set to lock or not according the demand of user.

Step 1: Select the "Whether to protect the password or not" menu by using key "↓" and press "ENTER" to enter the setting page.



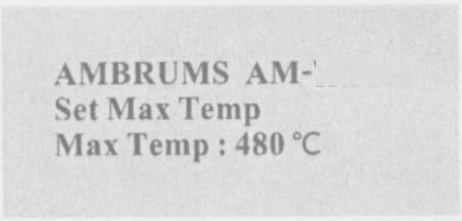
Step 2: Turn the knob to select "Yes" or "No". If "No" is selected, the "Setting temperature" is not locked and the user can set the "setting temperature" on the main interface; If "Yes" is selected, the "setting temperature" is locked and the user cannot change the "setting temperature" on the main interface. Only when the correct password is entered, the user can enter the main menu, select "No" in this option and exit after saving in order to set the "setting temperature" again.

Step 3: After setting, press the key "ENTER" to return to the main menu.

3. Maximum temperature setting

For AM-W380/AM-W380A/AM-W980/AM-W980A/ AM-8060L/AM-8090L intelligent thermostatic welding tables, the user can set the maximum temperature for heating of soldering iron as required and the "setting temperature" will never be higher than the "Maximum temperature" ,so as to effectively avoid overtemperature of product becaucs of improper operation.

Step 1: Select menu of "maximum temperature setting" with key "↓" and press key "ENTER" to enter the setting page.



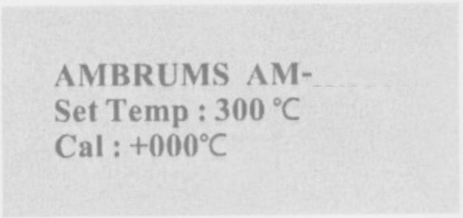
Step 2: Rotate the knob to adjust the valve of maximum temperature. Turn it to left for decrease and turn it to right for increase Value of maximum temperature:200℃~480℃.

Step 3: After setting, press key "ENTER" to return to the main menu.

4. Temperature calibration

The AM-W380/AM-W380A/AM-W980/AM-W980A/ AM-8060L/AM-8090L intelligent thermostatic welding tables adopts intelligent adjustment and calibration method.

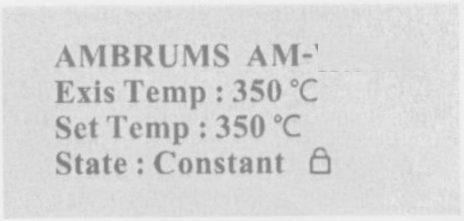
Step 1: Select the menu "Temperature calibration" with key "↓" and press key "ENTER" to enter the setting page.



Step 2: Turn the knob to adjust and calibrate the value of the temperature. Turn it to left for decrease and turn it to right for increase.

Step 3: After setting, press key "ENTER" to return to the main menu.

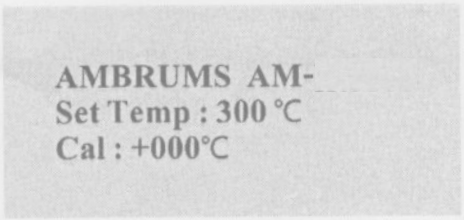
For example, for the welding table, a welding head with a new specification is replaced. After power-on, the display screen shows that the "Setting temperature" is 350℃, the "Actual temperature" is 350℃ and the state of welding table is "thermostatic".



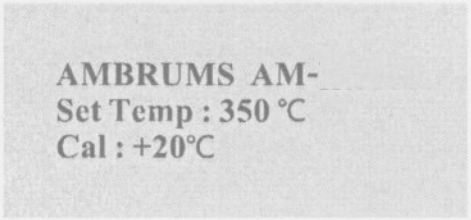
However, the actual temperature of welding head is 330℃. On the condition that welding head with different specification is replaced and temperature is not calibrated, this is normal.

Step 1: Press key "MENU" for two seconds to enter "login interface". After the correct password is entered, enter the main menu.

Step 2: Select menu of "setting of temperature calibration" with key "↓" and press key "ENTER" to enter the setting page.



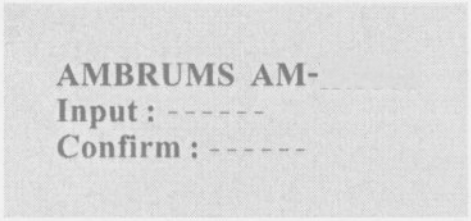
Step 3: Turn the knob to right and set the calibration temperature to be ±20℃. Press key "ENTER". After setting, the system returns to the main menu.



Step 4: Select the menu "Return operating state" with key "↓" and press "ENTER" to return to the main interface.

5. Modification of user's password

Step 1: Select the menu "user's password modification" with key "↓" and press key "ENTER" to enter the setting page.



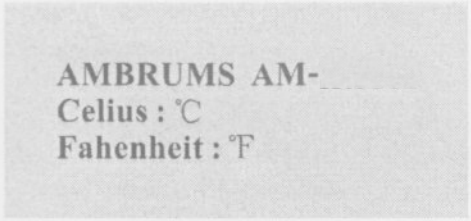
Step 2: Enter the password and then confirm it.

Step 3: After setting, press key "ENTER" to return to the main menu.

6 Conversion between Celsius degree and Fahrenheit degree

For convenience of different users, AM-W380/AM-W380A/ AM-W980/AM-W980A/AM-8060L/AM-8090L intelligent thermostatic welding tables can convert conveniently between Celsius degree and Fahrenheit degree.

Step 1: Select the menu of "Selection of temperature unit" with key "↓" and press key "ENTER" to enter THE setting page.

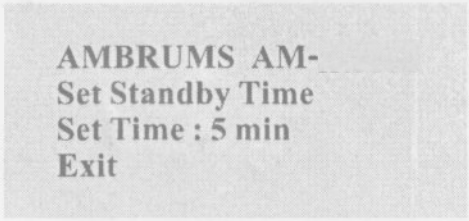


Step 2: Turn the knob and select required temperature unit. After setting, press the key "ENTER" to return to the main menu.

7. Set the standby time

To reduce the power consumption, AM-W980 has the function of setting handle sleep for 5-30 minutes automatically via computer.

Step 1: Select the menu of "Setting of standby time" with key "↓" and press key "ENTER" to enter the setting page.



Step 2: Turn the knob and select required standby time (minimum standby time is 5 minutes and maximum standby time is 30 minutes). After setting, press key "ENTER" to return to the main menu.

7. Return to the main interface

Select the menu "Return operating state" with key "↓" and press "ENTER" to return to the main interface

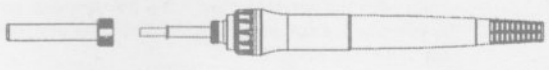
Chapter 6 Maintenance

I. Maintenance of welding head

1. During operation, use the low temperature whenever possible to prolong the service life of the welding head.
2. If it is not used for a long period, switch off the power Otherwise, long-term storage in high temperature for welding head may cause crack of electroplated coating.
3. Before welding, remove the oxide and existing soldering tin at the welding head with clean and wet cleaning sponge.
4. At the end of use, clean the welding head with clean and wet cleaning sponge and apply appropriate soldering tin on the tin surface.
5. If it is used continuously for a long period, remove the welding head to clear the oxide and remove the foreign matters in the welding head sleeve at least once a week.
6. During welding, never rub against the welding point with force, or else the welding head may be damaged easily.
7. Never use the file and other coarse tools to clean the welding head.

II. Replacement of welding head.

1. To replace the welding head, switch off the power supply and replace it after the welding head is cooled down to the room temperature completely.
2. Screw the lock nut off, take down the sleeve off, and remove the dust and other foreign matter in the sleeve. Replace the welding head with a new one and then screw the lock nut down. Do not tighten up the nut excessively, or else the heating core will be damaged.



3. When a new welding head is used, set the temperature to 200℃, and then switch on the power supply. After the setting temperature is reached, add appropriate tin on the tin surface of welding head and then continue to heat for five minutes. Then Set the temperature to required temperature for normal use.

III. Cause of soldering tin failure to be on the welding head .

1. Overtemperature of welding head
2. The oxide on the surface of welding head is not cleared timely, which must be removed in time.