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Temperature Controlled Soldering Station Model: ZD-8936

1.



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2. Important safety information

- When using electrical appliances basic safety precautions should always be followed.
- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the appliance to the mains power supply.
- 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.
- Children shall not play with the appliance.
- Do not operate the appliance with a damaged plug or cord, after a malfunction or after being dropped or damaged in any way.
- If the supply cord is damaged, it must be replaced by a qualified engineer in order to avoid injury or hazard.
- The soldering iron must be placed on its stand when not in use.
- Ensure there is sufficient space and ventilation around the appliance to allow the escape of heat and/or fumes.
- Never place the product or part of it in water or operate it if your hands are wet.
- Wear appropriate clothing and safety goggles while soldering.
- Soldering work must be conducted on a stable, non-combustible surface.
- Do not touch any metallic parts near the soldering tip/nozzle.
- Do not leave the soldering iron unattended while it is switched on.
- Wash your hands thoroughly after working with solder.
- Make sure the power switch is in the “off” position and disconnect the plug when the unit is not in use.
- Before storage, ensure the power is off and allow the station to cool down to room temperature.

3. Features

Soldering station

- Long-life heating element for rapid heating.
- LED digital temperature display to show the working temperature and states, easy for operation.
- This soldering station is with an innovative heater and sensor combination that provides you a quick heat-up and rapid temperature recovery.
- The handle rubber grip allows for continuous use without fatigue or heat discomfort.
- A durable heating element for long life and quick response time.

Soldering Iron

Soldering iron with a power of 60W(Max 90W) and a wide spectrum of soldering tips(N9 series)can be used anywhere in the electronics field.

The high power and slim design makes this iron suitable for fine soldering work. The heating element

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PEAK

is made of PTC and the sensor on the soldering tip can control the soldering temperature quickly and accurately.

4. Specifications

Voltage: AC 220-240V 50Hz

Soldering iron: 24V 60W (Max 90W)

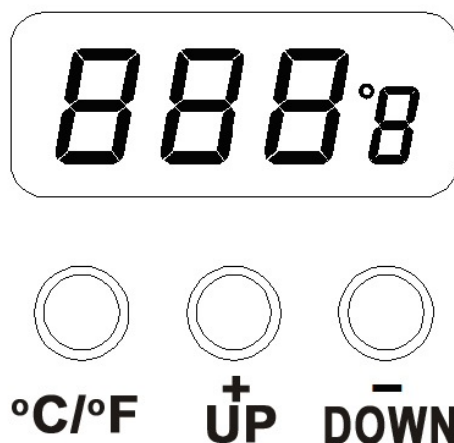
Temperature range: 50-480°C

Display: LED

5. Operation

- Place the soldering iron in the holder.
- Then connect the plug to the receptacle on the station and turn clockwise to tighten the plug nut.
- Connect the control unit to the power supply and switch the power on.
- A self-test is carried out in which all the display elements are switched on briefly.
- The electronic system then switches on automatically to the set temperature.

6. The display and temperature setting



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- Press the button "+ UP" or "- DOWN" to adjust the temperature.

In short press, the set-point will change $\pm 1^{\circ}\text{C}$.

In long press, the set-point will change quickly and reach your target temperature.

- " $^{\circ}\text{C}/^{\circ}\text{F}$ " is the transfer button between $^{\circ}\text{C}/^{\circ}\text{F}$.

The default unit is $^{\circ}\text{C}$, press the " $^{\circ}\text{C}/^{\circ}\text{F}$ " button to change between $^{\circ}\text{C}$ and $^{\circ}\text{F}$.

7. 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 dedicated for this device. Use of other tools and other accessories can lead to a danger of injury.

8. Caution

The power cord only can be inserted in approved power sockets or adapters.

High Temperature

The temperature of the soldering tip will reach as high as around 480°C (896°F) when the power is on. Since mishandling may lead to burn or 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.

- **Warning: this tool must be placed on its stand when not in use.**

- **A fire may result if the appliance is not used with care, therefore**

----be careful when using the appliance in places where there are combustible material;

----do not apply to the same place for a long time;

----do not use in presence of an explosive atmosphere;

----be aware heat may be conducted to combustible materials that out of sight;

----place the appliance on its stand after use and allow it to cool down before storage;

----do not leave the appliance unattended when it is switched on.

Take care of your tools

Do not use the tools for any applications other than soldering or desoldering.

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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 with the cleaning sponge.

Please turn off the power before connecting or disconnecting the soldering iron.

Keep children at a distance

Warning: this appliance is not intended for use by children.

Unused soldering tools should be stored in a dry location which is out of the reach of children.

Switch off all unused soldering tools.

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.

Observe the valid safety regulations at your work place.