INSTRUCTION MANUAL

SIS100

TEMPERATURE CONTROLLED SOLDERING STATION

Contents

Page no

1. IMPORTANT NOTICE

Please take note of the following safety guidelines to prevent malfunctions, damage, or potential physical harm while using the soldering iron:

- During the initial use, the soldering iron may emit smoke. This is a normal occurrence as residual manufacturing grease burns off. It poses no harm to the product or the user.
- This product is not intended for use by individuals with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, unless they are under the supervision or instruction of a person responsible for their safety.
- Keep the soldering iron and its packaging materials out of the reach of children.
- Do not use the soldering iron if the item or its power cord shows any signs of damage.
- Avoid running the power cord over sharp edges or hot surfaces.
- Exercise caution to prevent burns; refrain from touching the metal part of the iron when it is in use, as it reaches high temperatures.
- Use the soldering iron carefully around combustible materials.
- Place the soldering station on a stable, level surface.
- Work only in well-ventilated areas during soldering to avoid exposure to harmful fumes.
- Protect your eyes and body from hot solder splashes by wearing appropriate protective gear.
- Turn off and unplug the soldering iron when not in use or before cleaning. Always grasp the plug, not the cord, when unplugging.
- Allow the soldering iron to cool down before cleaning or storage.
- Do not use the soldering iron outdoors.
- Avoid immersing the item in any liquids, and do not use it to heat plastics or liquids.
- Refrain from disassembling or attempting self-repair, as the item does not contain user-serviceable parts.
- For larger soldering points, increase the temperature for optimal performance.
- Reduce the temperature during breaks to save energy and prolong the soldering tip's lifespan.
- Avoid filing the soldering tip to prevent damage.
- Always place the soldering iron in the stand while heating up or during breaks.
- Use only dedicated electronics solder, as acidic solder can harm the tip or the item.
- Unplug the device before cleaning; do not attempt to unscrew the housing.
- Consult a professional for cord replacement or service.

- WARNING: The tool must be placed on its stand when not in use.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to prevent hazards.

2. FEATURES

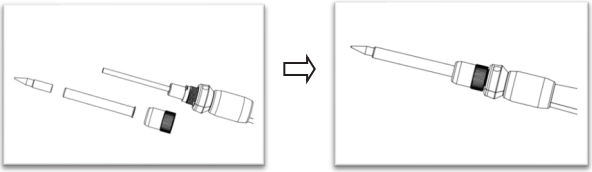
- Precision temperature control on the soldering station, allowing you to adjust temperatures within a range of 160°C to 480°C.
- A dual-line LED display that concurrently exhibits the set temperature and the current operating temperature.
- Swift heating capabilities, melting tin in just 20 seconds.
- Attractive gloss finish for an aesthetically pleasing appearance.
- The soldering iron is both compact and lightweight, featuring a flexible silicone cord.
- Enjoy a user-friendly soldering iron handle equipped with a comfortable foam sleeve.
- Automatically enters standby mode after 10 minutes of inactivity, with a standby temperature set at 200°C. Reactivate the iron by removing it from the stand.
- Simplified °C/°F conversion using the asterisk button for effortless temperature unit adjustment.
- The M button: a convenient preset feature for temperature settings. Simply touch and hold the M button for 2 seconds until the temperature setting begins to flash. Then, use the "▲" or "▼" buttons to select the desired temperature. Confirm your choice by touching the M button again.

3. OPERATION

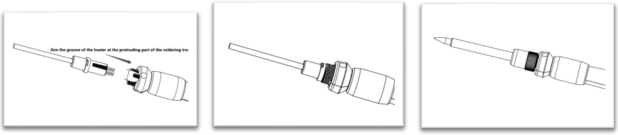
- Unbox the soldering station and carefully inspect all components. Do not use any damaged parts.
- Set up the iron stand and wet the cleaning sponge with water.
- Place the soldering iron securely in the stand.
- Position the soldering station on a stable, dry surface.
- Connect the soldering station to power and switch it on (I=ON/0=OFF).
- Adjust the temperature using the touch buttons "▲" and "▼".
- Verify the temperature by touching the iron tip with solder. If the solder melts smoothly, you are ready to solder.
- Apply solder to the hot iron tip; remove excess solder by wiping it on the wet cleaning sponge.
- Heat the soldering point with the iron and add solder.
- Allow the solder to cool before moving on.
- Clean the tip using the wet sponge after each soldering session.
- After completing the task, return the soldering iron to the stand to cool down and switch off the soldering station.

4. MAINTENANCE
In the event of a damaged supply cord, it is imperative to seek replacement services from the manufacturer, its authorized service agent, or an equally qualified professional to mitigate potential hazards.

4.1. Tip Replacement
When replacing the tip, ensure that the soldering iron has completely cooled down to room temperature. Utilize a suitable tool (e.g., pliers) to unscrew the old tip, and replace it with a new one.



4.2. Heater replacement
To replace the heater, it is essential to wait until the soldering iron has completely cooled down to room temperature.
1. Using a tool (e.g., pliers), unscrew the tip. Remove the tip, outer tube, and heater.
2. Prior to installing the new heater, ensure that all pins are straight and should never be bent.
3. Align the groove of the heater with the protruding part of the soldering iron, then gently insert the heater into the iron.
4. Reassemble by placing the outer tube and tip back in position, then securely tighten the screw.



5. GENERAL CLEANING
To clean the outer casing of the iron or station, use a damp cloth with small amounts of liquid detergent. Avoid submerging the item in liquid or allowing any liquid to enter the station's casing. Additionally, refrain from

using solvents to clean the casing.

6. CONTENTS

The package includes a power cord, soldering iron, soldering iron stand, solder wire stand, 10g solder wire, cleaning sponge, and cleaning ball.

7. SPECIFICATIONS

Function	Range
Coated Heater	160°C to 480°C (320°F-896°F)
Input voltage	AC 220 to 240V 50Hz
Output voltage	24V
Power	25W (Max 50W)

MAJOR TECH (PTY) LTD

South Africa

www.major-tech.com

sales@major-tech.com

Australia

www.majortech.com.au

info@majortech.com.au