

Weller T0056806699N

Weller WHS40 Temperature Controlled Soldering Iron User Manual

Model: T0056806699N

1. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before operating the Weller WHS40 soldering iron. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded outlet. Do not operate in wet conditions. Disconnect power before servicing or changing tips.
- **Heat Hazard:** The soldering iron tip reaches very high temperatures (up to 450°C / 842°F). Always use the iron holder when not actively soldering. Do not touch the tip or heating element. Allow the iron to cool completely before storing.
- **Fume Ventilation:** Soldering produces fumes that can be harmful. Always work in a well-ventilated area or use a fume extractor.
- **Personal Protective Equipment:** Wear safety glasses to protect against solder splashes. Avoid touching hot components with bare hands.
- **Proper Use:** Use the tool only for its intended purpose of soldering electronic components. Do not use for heating flammable materials.
- **Children and Pets:** Keep the soldering station out of reach of children and pets.

2. PRODUCT OVERVIEW

The Weller WHS40 is a temperature-controlled soldering station designed for precision soldering tasks. It features a compact base unit with an integrated iron holder and a temperature-controlled soldering iron.



Figure 2.1: The Weller WHS40 Temperature Controlled Soldering Station, showing the red base unit with integrated iron holder and sponge tray, and the connected soldering iron with a black handle and metal tip.



Figure 2.2: A closer view of the Weller WHS40 Soldering Station, highlighting the temperature control dial and the power indicator light on the front of the base unit.

3. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all included components are

present: Soldering Iron, Iron Holder, and User Manual.

2. **Placement:** Place the soldering station base unit on a stable, heat-resistant, and non-flammable surface. Ensure there is adequate ventilation around the unit.
3. **Iron Holder Assembly:** The iron holder is integrated into the base unit. Ensure the sponge tray is clean and the included sponge is moistened with distilled water before use.
4. **Connect Soldering Iron:** Insert the plug of the soldering iron cable firmly into the corresponding socket on the front of the base unit.
5. **Power Connection:** Plug the power cord of the soldering station into a standard 240V AC grounded electrical outlet.

4. OPERATING INSTRUCTIONS

1. **Power On:** Turn the power switch (if present, otherwise plug in) or the temperature control dial to the desired temperature setting. The power indicator LED on the base unit will illuminate.
2. **Temperature Setting:** Use the rotary dial on the front of the base unit to set the desired soldering temperature. The WHS40 has a temperature range of 200°C to 450°C (392°F to 842°F). For most general-purpose soldering, a temperature between 300°C and 350°C is suitable.
3. **Heating Time:** Allow a few minutes for the soldering iron to reach the set temperature. The indicator light may cycle on and off as the station maintains the temperature.
4. **Tip Tinning:** Before first use and periodically during operation, tin the soldering iron tip. Apply a small amount of solder to the hot tip. This protects the tip from oxidation and improves heat transfer.
5. **Soldering:** Place the tip of the iron onto the joint to be soldered, ensuring good contact with both the component lead and the PCB pad. Apply solder to the heated joint, not directly to the iron tip. Allow the solder to flow smoothly and form a shiny, concave joint.
6. **Tip Cleaning:** Regularly wipe the hot tip on a damp sponge or brass wool to remove excess solder and oxidation. This helps maintain optimal performance.
7. **Power Off:** When finished, turn the temperature control dial to the minimum setting or unplug the unit. Allow the iron to cool completely in its holder before storing.

5. MAINTENANCE

- **Tip Care:** Always keep the soldering tip tinned when hot. Clean the tip frequently during use. Replace tips when they become pitted or no longer accept solder easily.
- **Sponge Maintenance:** Keep the cleaning sponge damp (not soaking wet) with distilled water. Replace the sponge when it becomes worn or heavily soiled.
- **General Cleaning:** Periodically wipe down the base unit and iron handle with a damp cloth. Do not use abrasive cleaners or solvents. Ensure the unit is unplugged and cool before cleaning.
- **Storage:** Store the soldering station in a clean, dry environment when not in use. Ensure the iron is cool before coiling the cable for storage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Iron not heating up	No power; Loose connection; Faulty heating element	Check power outlet and cable connection. Ensure iron cable is fully inserted into base. If problem persists, contact Weller support.
Poor solder joints (cold joints, dull finish)	Insufficient temperature; Oxidized tip; Dirty components	Increase temperature setting. Clean and re-tin the soldering tip. Ensure components are clean before soldering.
Solder not melting easily	Temperature too low; Tip not making good contact	Adjust temperature higher. Ensure tip is clean and making full contact with both component and pad.
Tip discolors quickly or doesn't hold solder	Tip oxidation; Incorrect tip care; Worn out tip	Ensure tip is always tinned when hot. Clean tip regularly. Replace tip if it is severely pitted or damaged.

7. SPECIFICATIONS

Feature	Specification
Model Number	T0056806699N
Power Source	240V AC
Wattage	40 watts
Temperature Range	200 - 450°C (392 - 842°F)
Item Weight	1.5 pounds
Product Dimensions	10.35 x 5.16 x 6.81 inches
Included Components	Soldering Iron, Iron Holder, User Manual
Compatible Solder Material	Solder
Display Type	LED (for power indicator)

8. WARRANTY AND SUPPORT

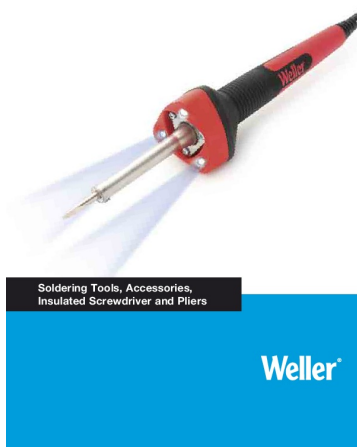
Warranty information for the Weller WHS40 Temperature Controlled Soldering Iron is typically provided with your purchase documentation or can be found on the official Weller website. Please retain your proof of purchase for warranty claims.

For technical support, replacement parts, or further assistance, please visit the official Weller website or contact their customer service department. Contact details are usually available on the manufacturer's website or in the product packaging.

Weller Official Website: www.weller-tools.com

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Documents - Weller – T0056806699N



[\[pdf\]](#) Datasheet Accessories

2866161 farnell datasheets

Soldering Tools, Accessories, Insulated Screwdriver and Pliers Weller Table of Contents Contents ... with nickel-plated tip 2,0 mm and safety rest. Type WHS40 WHS40 UK Code No. Watts Volts Hz **T0056806699N** 40 230 50 T0056806399N 40 230 50 Weight g 1460 1488 Shelf Pack 1 1 Temperatur...

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