

TENMA[®]



Model: SD02201
50W Soldering Station

Please read these instructions carefully before use and retain for future reference.

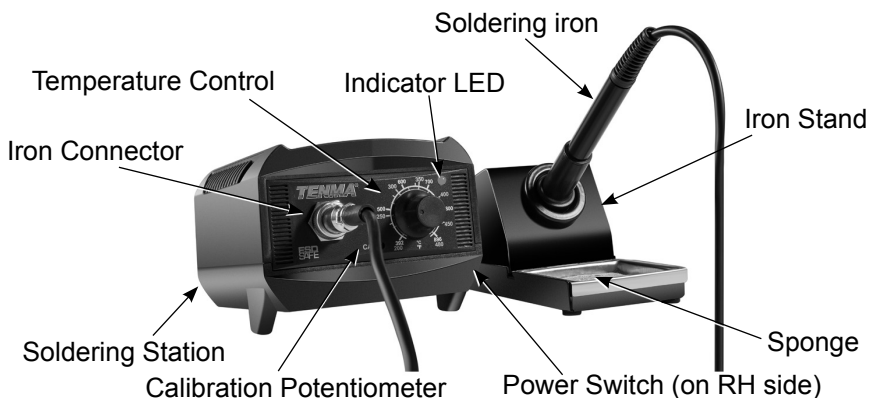
IMPORTANT SAFETY INFORMATION

- 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 can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not leave the soldering station unattended, while it is powered on.
- Never touch the soldering tip or the surrounding metallic parts before the soldering tip has cooled down completely.
- Do not use the product near flammable items.
- Turn the power off when this product is not in use.
- The soldering iron must be placed on its stand when not in use.
- Before storage, turn the power off and allow the product to cool down to room temperature.
- Do not use this product for anything else other than that for which it is designed.
- Do not use this appliance with wet hands.
- Do not expose the soldering station to rain or moisture.
- Ensure there is sufficient space and ventilation around the appliance to allow the escape of heat and/or fumes.
- This appliance must be earthed.

WHAT'S INCLUDED?

- 1 iron holder with tip cleaning sponge
- 1 soldering iron
- 1 Control station
- 1 User manual

OVERVIEW



OPERATION

- Before using the soldering iron for the first time, wet the cleaning sponge and place it in the iron holder tray. Keep it damp during use.

WARNING: switch off the mains power before connecting or disconnecting the iron or the control station may be damaged.

- Connect the soldering iron to the control station by inserting the connector and tightening the locking ring finger tight.
- Place the iron in the holder and turn on the mains power.

Setting the temperature:

- Rotate the control so the mark on the control points to the temperature required.
- The control as a locking feature so the temperature can be fixed to avoid unintentional adjustment. Tighten the hex screw lightly to lock the control.
- When the set temperature is reached the LED will flash and the iron is ready for use.
- Do not attempt to rotate the control with the locking screw tightened.
- Avoid leaving the iron set to high temperatures for prolonged periods of time without use or the tip may become oxidised and the efficiency will be reduced.
- After use wipe the tip clean and tin with fresh solder to prevent oxidation during periods when the iron is not being used.

CALIBRATION

Note: calibration may be needed after changing the tip for one of a different shape.

- Set the temperature to 400°C and use a tip thermometer to verify the actual tip temperature.
- If the actual temperature is low, rotate the calibration potentiometer clockwise and if it is high turn it counter clockwise until the tip is within tolerance.

TROUBLESHOOTING

- | | |
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| • Tip heats intermittently - | Mains cord damaged or a loose connection.
Defective heating element. |
| • Tip will not reach set temperature- | Temperature requires calibration.
Defective heating element |
| • Solder will not wet the tip- | Tip temperature is too high.
Tip is badly oxidized and requires cleaning. |
| • Increased resistance between tip and ground- | Check the tip sleeve nut is tightened. |

REPLACING SOLDERING TIPS

- Always turn the power off when removing or inserting a tip.
- Allow the soldering tip to cool down to room temperature.
- Unscrew the retaining nut and remove the outer sleeve.
- Pull off the tip and replace with a new soldering tip.
- Reassemble in reverse sequence.

INTERCHANGEABLE SOLDERING TIPS

- A range of varying diameter and shaped replacement tips are available.
- See our website or printed catalogue for part numbers.

SPECIFICATIONS

Power Consumption	50W
Input Voltage	220-240V~50Hz
Temperature Range	200-480°C (392-896°F)
Temperature Stability	+/-2°C (still air and no load)
Temperature Accuracy	+/-10°C
Setting Mode	Rotary control
Tip to ground impedance	$\leq 2\Omega$
Tip to ground voltage	$\leq 2\text{mV}$
Box Dimensions (L x W x H)	265 x 230 x 160mm
Weight	1.78kg



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronics Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.



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