TENMA®

Model: SD02200

50W Soldering Iron with Temperature Control

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

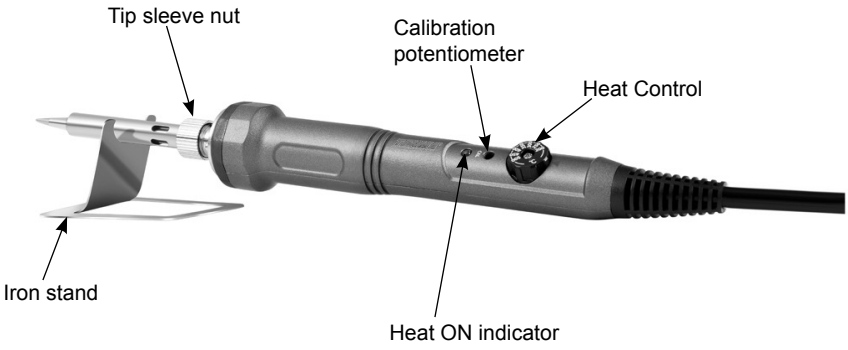
IMPORTANT SAFETY INFORMATION

- When using electrical appliances basic safety precautions should always be followed.
- Check that the voltage indicated on the rating label 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 iron 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 iron to rain or moisture.
- Ensure there is sufficient space and ventilation around the appliance to allow the escape of heat and/or fumes.

WHAT'S INCLUDED?

- 1 Iron stand
- 1 Soldering iron
- 1 User manual

OVERVIEW



OPERATION

- Before using the soldering iron for the first time, set up the iron stand by bending the inner part approximately 80° to form a stable support to rest the iron on.

Setting the temperature:

- Hold the handle firmly and rotate the control so the arrow points to the marked temperature required.
- The control has a distinct detent at each marked increment but it is possible to set the control in between these for further temperature control.

CALIBRATION

Note: calibration may be needed after changing the tip.

- Set the temperature to 350°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

- 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.

SPECIFICATIONS

Power Consumption	50W
Input Voltage	220-240V~50Hz
Temperature Range	100-500°C (212-932°F)
Temperature Stability	+/-2°C (still air and no load)
Temperature Accuracy	+/-10°C
Setting Mode	Rotary control
Tip to ground impedance	<=2Ω
Tip to ground voltage	<=2mV
Box Dimensions (L x W x H)	320 x 60 x 50mm
Weight	0.35kg

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.

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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