

## Total TET160831

# Total Electric Soldering Iron 60W TET160831

## INSTRUCTION MANUAL

### Introduction

This manual provides essential instructions for the safe and effective use of your Total TET160831 60W Electric Soldering Iron. Please read this manual thoroughly before operation and retain it for future reference. This soldering iron is designed for various soldering applications, including electronics, jewelry, and crafts.

Key features include:

- Versatile electric soldering iron suitable for electronics, jewelry, and crafts.
- Equipped with a temperature-controlled heating element for precise temperature adjustment.
- Features a durable soldering tip for efficient heat transfer and reliable solder joints.

### Safety Information

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

- **Heat Hazard:** The soldering iron tip reaches very high temperatures. Avoid direct contact with skin or flammable materials.
- **Ventilation:** Use in a well-ventilated area to avoid inhaling fumes from solder and flux.
- **Power Supply:** Ensure the power supply matches the specifications (220-240V/50/60Hz).
- **Storage:** Allow the iron to cool completely before storing. Store in a safe, dry place out of reach of children.
- **Inspection:** Regularly inspect the power cord and soldering iron for damage. Do not use if damaged.

### Setup

1. **Unpacking:** Carefully remove the soldering iron from its packaging. Verify all components are present (1 x Total TET160831 60W Solder Iron).
2. **Placement:** Place the soldering iron on a stable, heat-resistant surface, preferably using a dedicated soldering stand (not included). Ensure adequate workspace and ventilation.
3. **Power Connection:** Connect the power plug to a suitable 220-240V/50/60Hz electrical outlet.
4. **Temperature Adjustment:** The soldering iron features a rotational temperature adjustment. Turn the dial on the

handle to set the desired temperature.



Image: Total TET160831 60W Electric Soldering Iron. The image shows the soldering iron with its teal and white handle, metal shaft, and bent tip, connected to a European-style power plug. The product is also displayed in its retail packaging.

## Operating Instructions

1. **Preheating:** After plugging in and setting the temperature, allow the soldering iron to preheat for approximately 1-2 minutes. The built-in ceramic heating element ensures fast and stable heating.
2. **Tinning the Tip:** Before first use and periodically during operation, tin the tip by applying a small amount of solder to the heated tip. This helps prevent oxidation and improves heat transfer.
3. **Soldering Process:**
  - Clean the surfaces to be soldered.
  - Apply the hot soldering iron tip to both the component lead and the PCB pad simultaneously.
  - Feed solder onto the joint, not directly onto the iron tip. Allow the solder to flow evenly.
  - Remove the solder, then remove the iron. Allow the joint to cool undisturbed.
4. **Cool Down:** After use, unplug the soldering iron and place it safely in a heat-resistant stand. Allow it to cool completely before handling or storing.

## Maintenance

- **Tip Cleaning:** Regularly wipe the soldering tip on a damp sponge or brass wool to remove excess solder and oxidation. A clean tip ensures efficient heat transfer.
- **Tip Replacement:** The soldering iron features a long-lasting replaceable tip. To replace, ensure the iron is unplugged and cool. Unscrew the retaining collar, remove the old tip, insert the new tip, and secure the collar.
- **General Cleaning:** Keep the handle and body of the soldering iron clean and free from debris. Do not use abrasive cleaners or solvents.

# Troubleshooting

- **Iron Not Heating:**
  - Check if the power cord is securely plugged into a working outlet.
  - Verify the power supply voltage matches the iron's requirements.
  - Ensure the temperature adjustment dial is set correctly.
- **Poor Solder Joints:**
  - Ensure the soldering tip is clean and properly tinned.
  - Check if the temperature setting is appropriate for the solder and components being used.
  - Verify that the surfaces to be soldered are clean and free of oxidation.
- **Excessive Smoke/Fumes:**
  - Ensure adequate ventilation in your workspace.
  - Use lead-free solder if possible, which generally produces fewer fumes.

If issues persist, discontinue use and contact customer support.

# Specifications

Feature	Detail
Model Number	TET160831
Brand	Total
Input Voltage	220-240V
Frequency	50/60Hz
Input Power / Wattage	60W
Preheating Time	1-2 minutes (approximate)
Heating Element	Built-in ceramic
Temperature Control	Adjustable by rotation
Handle Material	Rubber or Silicone
Special Features	Portable, Easy tip replacement
Product Dimensions	25 x 15 x 5 cm
Item Weight	250 g
Included Components	1 x Total TET160831 60W Solder Iron

# Warranty Information

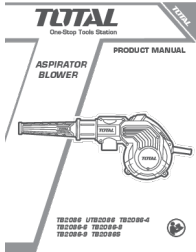


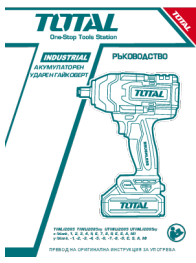
Specific warranty details for the Total TET160831 60W Electric Soldering Iron are not provided in this manual. For information regarding warranty coverage, terms, and conditions, please refer to the product packaging, contact your retailer, or visit the official Total brand website.

# Customer Support

If you have any questions, require technical assistance, or need to report an issue with your Total TET160831 60W Electric Soldering Iron, please contact the retailer from whom you purchased the product or refer to the official Total brand support channels for assistance.

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Model: TET160831

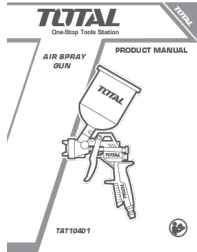
## Related Documents - TET160831

	<p><a href="#">TOTAL Aspirator Blower Product Manual - Models TB2086, UTB2086, and more</a></p> <p>Official product manual for the TOTAL Aspirator Blower. Includes detailed safety instructions, operating procedures, technical specifications, and maintenance guidelines for models TB2086, UTB2086, TB2086-4, TB2086-6, TB2086-8, TB2086-9, and TB2086S. Learn how to use your TOTAL power tool safely and effectively.</p>
	<p><a href="#">TOTAL TMT47504 Цифров Мултицет - Ръководство за Потребителя</a></p> <p>Открийте TOTAL TMT47504 – високопроизводителен цифров мултицет, проектиран за яснота и лесна употреба. Този уред е идеален за професионалисти, ентусиасти и домашни потребители, предлагайки усъвършенствани функции и надеждни измервания.</p>
	<p><a href="#">TOTAL TMT47504 Цифров Мултицет - Ръководство за Употреба</a></p> <p>Пълно ръководство за употреба на TOTAL TMT47504 цифров мултицет, включващо инструкции за безопасност, функции, спецификации и поддръжка.</p>
	<p><a href="#">Ръководство за експлоатация на акумулаторен ударен гайковерт TOTAL TIWLI2085</a></p> <p>Подробно ръководство за безопасна употреба, поддръжка и спецификации на акумулаторния ударен гайковерт TOTAL TIWLI2085. Включва инструкции за експлоатация и безопасност.</p>



[TOTAL MMA Welding Machine TW21605, UTW21605, TW22005 - User Manual and Safety Guide](#)

This document provides comprehensive information on the TOTAL MMA Welding Machine models TW21605, UTW21605, and TW22005. It includes detailed safety precautions, operating principles, welding techniques, maintenance procedures, technical specifications, accessories, spare parts lists, and wiring diagrams.



[TOTAL Air Spray Gun TAT10401: Specifications, Operation, and Safety Manual](#)

Official product manual for the TOTAL Air Spray Gun TAT10401, detailing technical specifications, safety guidelines, operating procedures, and maintenance instructions. Essential reading for users.