DIAFIELD 1-TL14US01

DIAFIELD

DIAFIELD 1850W Heat Gun

USER MANUAL

Introduction

Thank you for choosing the DIAFIELD 1850W Heat Gun. This powerful and versatile tool is designed for a wide range of applications, from shrink wrapping and epoxy resin work to paint removal and crafts. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting.

Figure 1: DIAFIELD 1850W Heat Gun with included nozzles.

Safety Information

Always prioritize safety when operating power tools. Read and understand all safety warnings and instructions before use.

- **Electrical Safety:** Ensure the power source matches the tool's requirements (120 Volts). The heat gun features a UL-certified wire for enhanced safety.
- **Overheat Protection:** The built-in temperature control switch helps prevent overheating and damage. An overload protector is included to safeguard the product and its circuitry.
- **Burn Hazard:** The nozzle and heated air can reach extremely high temperatures (up to 1202°F / 650°C). Always use caution and avoid direct contact with skin. The tool features a thickened anti-scalding sheath for user protection.
- **Ventilation:** Use in a well-ventilated area to avoid inhalation of fumes, especially when working with paints, plastics, or resins.
- **Storage:** Allow the heat gun to cool completely before storing. Store in a dry, secure place out of reach of children.

Figure 2: Safety features including thickened anti-scalding sheath and UL-Certified power cord.

Product Components and Features

The DIAFIELD 1850W Heat Gun comes with several key components and features designed for optimal performance and user convenience.

- **1850W High-Power Motor:** Provides strong, stable heat output.
- **Rapid Heat-Up:** Achieves operating temperature in approximately 1.5 seconds.
- **Dual Temperature Settings:**
  - Level I: 572°F (300°C) with 250 L/min airflow.
  - Level II: 1202°F (650°C) with 500 L/min airflow.
- **Durable Construction:** Features oxidation heating wire, an all-copper motor (up to 800 hours service life), and high temperature-resistant mica board and PA66+30%GF material fan.

- **Ergonomic Design:** Handle designed to prevent strain during long-term use.
- **Flat Rear Cover and Bracket:** Allows for stable upright positioning for hands-free operation.
- **Included Nozzles:** Comes with 4 different nozzle attachments for various applications.

Figure 3: Temperature and airflow settings switch.

Figure 4: Product dimensions and included nozzle types.

Setup

1. **Unpacking:** Carefully remove the heat gun and all accessories from the packaging. Inspect for any damage.
2. **Nozzle Attachment:** Select the appropriate nozzle for your task. Align the nozzle with the heat gun's outlet and push it firmly into place. Ensure it is securely attached before operation.
3. **Power Connection:** Plug the heat gun's power cord into a standard 120V AC electrical outlet. Ensure the outlet is properly grounded.

Operating Instructions

1. **Power On:** Locate the power switch on the handle. Slide the switch to the desired temperature setting:
    - "I" for Level I (572°F / 300°C, 250 L/min airflow)
    - "II" for Level II (1202°F / 650°C, 500 L/min airflow)

    The heat gun will begin heating rapidly.

2. **Application:** Direct the hot air stream towards the workpiece. Maintain a safe distance to avoid scorching or damage to the material. The optimal distance will vary depending on the material and desired effect.
3. **Hands-Free Operation:** For tasks requiring both hands, utilize the flat rear cover and integrated bracket to stand the heat gun upright on a stable, heat-resistant surface.
4. **Power Off:** When finished, slide the power switch to the "0" (off) position.
5. **Cool Down:** Allow the heat gun to cool down completely before handling or storing. The internal components will retain heat for some time after being turned off.

Figure 5: Wide range of applications for the heat gun.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your heat gun.

- **Cleaning:** After each use, ensure the tool is unplugged and cool. Wipe the exterior with a damp cloth. Do not use abrasive cleaners or solvents. Keep the air vents clear of dust and debris.

- **Nozzle Care:** Clean any residue from the nozzles after they have cooled.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it repaired by a qualified professional.
- **Storage:** Store the heat gun in a dry, clean environment, away from direct sunlight and extreme temperatures. Ensure the cord is not tightly wrapped around the tool.

Troubleshooting

If you encounter issues with your DIAFIELD Heat Gun, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Heat gun does not turn on.	No power, faulty outlet, damaged cord, internal fault.	Check power connection and outlet. Inspect power cord for damage. If issues persist, contact customer support.
No heat or insufficient heat.	Incorrect temperature setting, internal heating element issue, thermal overload activated.	Ensure correct temperature setting is selected. Allow tool to cool down if thermal overload was activated. If problem continues, seek professional service.
Low airflow.	Blocked air intake/exhaust vents, fan malfunction.	Ensure air vents are clear of obstructions. Do not block vents during operation.

Specifications

Attribute	Value
Model Number	1-TL14US01
Power Source	Corded Electric
Wattage	1850 Watts
Voltage	120 Volts
Temperature Settings	Level I: 572°F (300°C), Level II: 1202°F (650°C)
Air Flow Rate	Level I: 250 L/min, Level II: 500 L/min
Item Weight	1.54 pounds (700 Grams)
Product Dimensions	10"L x 3"W x 7"H
Cable Length	5.9 ft
Included Components	Heat Gun, 4 Nozzles
UPC	842120103960

Warranty and Support

This DIAFIELD Heat Gun comes with a manufacturer's warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the documentation included with your product or visit the official DIAFIELD website. For technical support, troubleshooting assistance beyond what is provided in this manual, or warranty claims, please contact DIAFIELD customer service. You can often find contact information on the product packaging, the official brand website, or through the retailer where the product was purchased.
Visit the official DIAFIELD Store for more information:DIAFIELD Store on Amazon

Important Notes

- This manual is intended as a guide. Always follow local safety regulations and best practices for power tool operation.
- Do not attempt to modify the heat gun or its components. Unauthorized modifications can lead to injury and void the warranty.
- Keep children and pets away from the work area when the heat gun is in use.

Model: 1-TL14US01