



#46-204

Heat Elite Plus LCD Heat Gun

Operating Instructions

SAFETY INSTRUCTIONS

Danger! When working with hot-air tools it is vital to follow the following preventive safety guidelines to avoid the risk of fire, explosion, electric shock and bodily injuries. Read these instructions attentively before you use the tool. Keep these instructions in a safe place.

Warning

- **Danger! Unplug the tool before opening it, as live components and connections are exposed.**
- **The appliance must not be used in damp or wet surroundings.**
- **Avoid contact with earthed items, e.g. pipes, radiators, cookers or refrigerators.**
- **Do not use in bathroom or over water.**
- **Danger of fire and explosion through improper use of hot-air tools. Beware of poisonous gases, risk of explosion and ignition. When plastics, lacquers and similar materials are being processed, toxic, explosive and poisonous gases can be generated.**
- **The working space must always be well ventilated.**

Caution

- The **voltage rating** stated on the tool should correspond to the main power voltage.
- **Avoid unexpected start-up. Temperature-limit-switch** heating off in case of improper use. **Attention!** Heating is automatically switched on again after cooling.
- Ensure that the switch is OFF when connecting to the main power supply.
- For personal protection, we strongly recommend the tool be connected to an **RCCB (Residual Current Circuit Breaker)** before using.
- **The tool must not be operated without supervision.**
- Do not use the tool if inflammable gases may be present. Areas behind shutters, ceilings and floors and in hollow walls may contain flammable material. These materials must be checked before using the hot-air tool. Heat may reach materials, which are not visible.
Do not aim the stream of hot air at the same spot for extended periods.
- **Cause burns!** Do not touch the heat nozzle and adaptor when hot as they can cause burns. Never use the tool as a hair dryer. It gets much hotter than a hairdryer!
- **Do not point the hot air flow in the direction of people or animals.**
- Keep children at a distance. Do not allow other people to touch the tool or cord, keep them away from the work area.
- Consider **work area environment**. Protect tool from **damp and wet** conditions.
- Keep your work area clean. Cluttered areas and benches invite injuries.
- Do not wear loose or flammable clothing.
- Don't overreach. Keep proper footing and balance of all times.
- Use only **accessories** that are indicated in the instructions for use or are recommended by the manufacturer. The use of accessories other than those indicated in the instruction for use can mean risk of injury.

Operating Requirements

- The tool **must not be used lying flat or permanently directed downwards.**
- Ensure that the air inlet openings and the adaptor outlet are not obstructed, as this can lead to excessive heat build-up and thus damage to the tool.
- After use **put the tool on its stand** and allow it to **cool down completely** before packing it away.

Do not misuse the cord

- Do not carry the tool by the cord, and do not use the cord to pull the plug out of the socket.
- Protect the cord from heat, oil and sharp edges.
- Do not wind the cord around the tool.
- Use only permitted and correspondingly marked extension cords.
- Take care of your tool. Follow the maintenance rules and the instructions for adaptor change.
- Check the plug and cord regularly; if they are damaged have them replaced by a recognized service center.

- Check the extension cords regularly and have damaged ones replaced by a electric specialist.

Inspection after damage

- Before further use of the tool, slightly damaged parts should be carefully checked to ensure that could fulfill their function correctly and in accordance with requirements. Damaged tools must be repaired by an authorized service center. Never use a tool if its switch will not switch on and off.
- Adaptors must be fitted firmly and safely to the tool. Check: no hot air must flow into the tool itself - the tool would be damaged.
- Keep the handles free of oil and grease.

Storage of hot-air tools

- Hot-air tools, which are not in use, should be stored in a dry enclosed place out of the reach of children.

Uses for Heat Elite Plus LCD Heat Gun

The tool must be used only for the applications indicated in the instructions for use.

Shrinking

- Shrinking of shrink tubes for a variety of wiring insulation, sealing, strain-relieve and mechanical protection
- In one step, shrinking and soldering of solder sleeves
- Shrinking on packing and postal packets
- Shrink-rapping of electrical components such as condensers, batteries and connectors

Forming

- Forming Acrylic, PVC and polystyrene articles
- Forming of pipes
- Forming wet wood (putting into shape and then drying with hot air)

Welding

- Of thermoplastic parts in HD-PE, PP, PPEPDM, ABS, PC, PVC-U. With welding rods it is possible to repair vehicle parts, ski surfaces, surfboards, plastic boats
- PVC and linoleum floor can be repaired with welding rod
- Overlap welding of foils for biotopes and swimming-pools

Soldering

- Soldering with tin solder (60% Sn, 40% Pb) and special silver solder
- Desolder of SMD components
- Soldering of cable shoes
- Unsoldering of soldered joints

Paint stripping

- Stripping of all oil and lacquer, even in thick layers, from furniture and paneling, gutters, banisters and windows. Heat the layer of paint until blisters form, then remove cleanly with a paint knife, paint scraper or wire brush. For windows use glass-protecting adaptor.
- Remove plastic-plaster with hot air and spatula



Warning

When removing paint care should be exercised, particularly if the paint contains lead pigments. Buildings dating from before 1978 may well have been painted with lead-containing paint, which has subsequently been painted over. Before starting work, it is important to determine whether the paint that you wish to remove contains lead. This can be determined using a lead test kits or by a professional paint contractor. **Lead and dust containing lead particles are extremely dangerous.** Small children and pregnant women are particularly endangered and should be kept away from renovation work in which lead-based paints are being removed. When removing lead-containing paints you should ensure that the workspace is shut off from its surroundings. We recommend that a dust-mask should be worn. You should not smoke, eat or drink in work spaces that may be contaminated by lead. Do not burn off the paint. The hot air temperature should remain below 840 °F.

Drying

- Drying of color samples, applied fillers, adhesives and polyester putties
- Drying of formed parts
- Drying of building joints before spraying insulation or sealant

Adhesives

- Gluing large surfaces with contact adhesive by warming and lengthening setting time
- Activation of adhesives
- Acceleration of gluing processes by shortening the setting time of 2-component adhesives.

- Loosing screwed connections which are adhesive-fastened, PVC stickers, e.g. on commercial and private vehicles
- Fastening or removing of edge-bandings

Thawing

- Thawing iced-up steps, car locks, boot-lids and doors, and water-pipes
- De-frosting refrigerators and deep-freezes (do not heat the plastic walls, as this could lead to deformation or damage)

Disinfecting

- With hot air at 1100 °F rabbit hutches, etc. are rapidly freed of bacteria and insect pests
- Destruction of woodworm. Do not overheat the surface of the wood (fire danger!)

Heat Elite Set-Up

- Fit the adapter as required.
- The supply voltage must be as indicated on the nameplate.
- Supply cable and plug must be in perfect condition. No damage of any kind is acceptable.

Connect the tool to the main power supply.

The tool starts operation with the last program and settings in use.

Main switch in position I

Example:



Attention: Heating starts immediately.

Heat Elite Plus LCD, Operating Principles

Individually adjustable values

- Temperature: Indicated value +/- 50 °C respectively +/- 90 °F
Maximum value 650 °C respectively 1200 °F
At the program **FREE SETTING**, the entire range of 80°C – 650°C respectively 180°F - 1200°F is available
- Air volume: 7.0 - 17.5 cfm in 5 steps

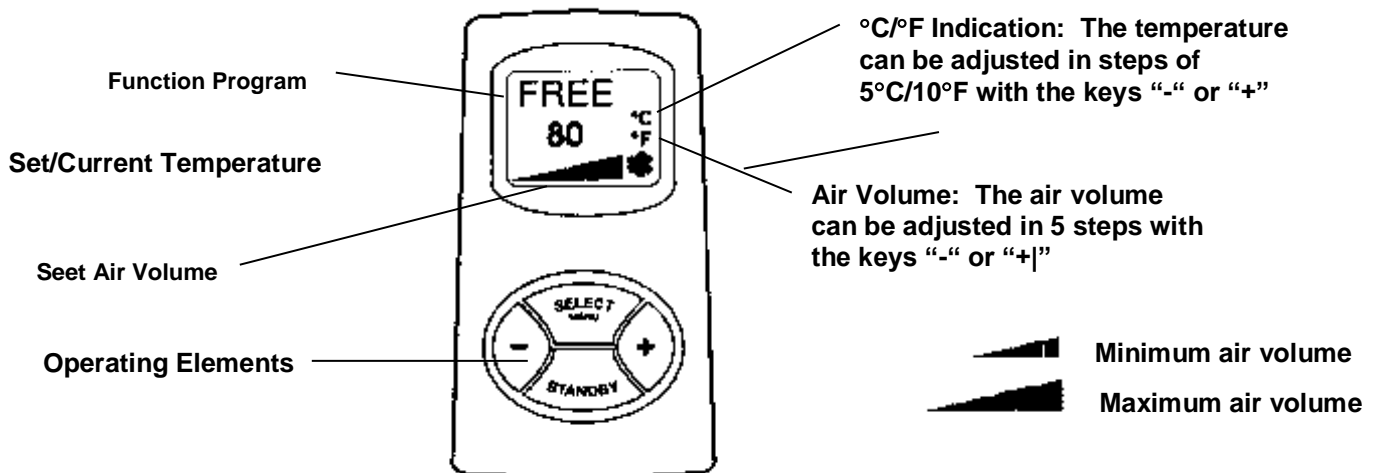
Memory Function

Each individual adjustment can be confirmed with and is memorized. Without this confirmation, the adjustment will be memorized automatically after 10 seconds of operation.

Increase of the life expectancy





At the end of every use and before switching off, the hot air tool should be cooled down to approx. 100°C/ 210°F (**COOL DOWN DEVICE**).

Operating unit

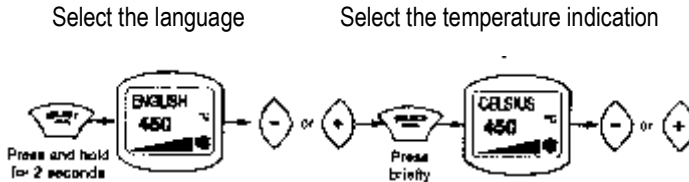


Selection of Language, Temperature Indication, Factory Settings

The following 8 languages are available: English, German, Dutch, Swedish, Italian, Spanish, French and Portuguese. The factory setting is English.

- Press and hold the key  for 2 seconds: The language **ENGLISH** is blinking. Select your language with the keys “-” or “+”
- Press the key  briefly: Indication **CELSIUS** or **FAHRENHEIT** is blinking. Select **CELSIUS** or **FAHRENHEIT** with the keys “-” or “+”
- Press the key  briefly: Indication **RESET TO FACTORY SETTINGS** or **KEEP USER SETTINGS**. Select **RESET TO FACTORY SETTINGS** or **KEEP USER SETTINGS** with the keys “-” or “+”. Press the key  briefly to return to the functional program.

Example:



Overview of the function programs

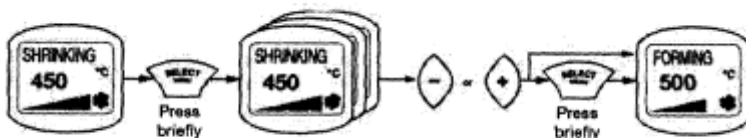
- To each function program, values for temperature and air volume are assigned. The following programs are available. The bold letters are the keywords, which are permanently indicated in the display

Heat Elite Plus LCD
FREE Setting 180°F, Air volume 5
WELDING 660°F, Air volume 3
SHRINKING 840°F, Air volume 3
FORMING 930°F, Air volume 4
SOLDERING 1200°F, Air volume 3
DRYING 1200°F, Air volume 5
PAINT 800°F, Air volume 5

Selection of the function programs

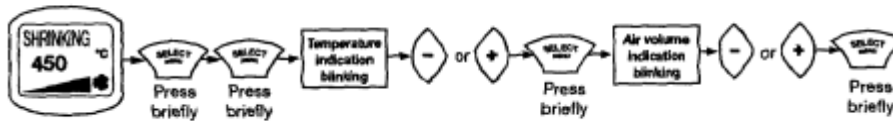
The keyword of each program is indicated during approx. 2 seconds in the display. If the program name contains of more than 10 digits, the text begins to move. After two complete turns, the keyword remains indicated in the display.

Press the key  briefly: The keyword of the program is blinking. Select the required functional program with the keys “-” or “+”.



Individual adjustment of the functional programs

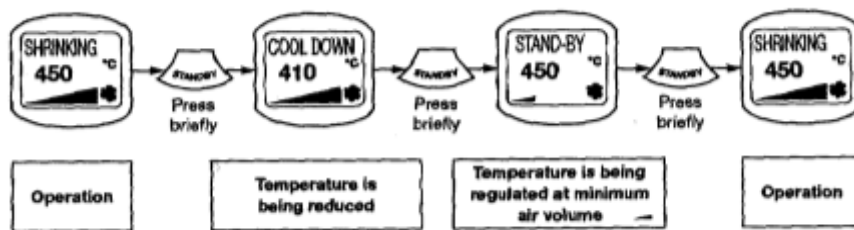
At each functional program the values for temperature and air volume can be adjusted as required:
Example:



STAND-BY mode / Cool Down Device mode

The STAND-BY mode is used to minimize the energy consumption and reduce the noise level. It is recommended to cool down the WELDY at the end of each working session.

Example:



Accessories

The following adaptors are recommended for the Heat Elite Plus LCD Heat Gun:



Reduction Adapter
Cat. No. 46-950



Glass Protection Adapter
Cat. No. 46-931



Wide Slot Adapter
Cat. No. 46-941



Small Deflector Adapter
Cat. No. 46-941



Welding Adapter
Cat. No. 46-952



Overlap Adapter
Cat. No. 46-955



Pressure roller
Cat. No. 46-956



Solder Reflector
Cat. No. 46-953

- Only genuine IDEAL adaptors may be fitted onto the Heat Elite Plus LCD.
- When fitting an adaptor, it is strongly recommended to switch off the Heat Elite Plus LCD.
- Attention: Do not touch the adaptors, they are hot! Always use pliers!
- Any hot item must be placed on a fire proved surface (example: a metallic sheet) to avoid danger of fire.

SERVICE AND REPAIRS

- Clean the Heat Elite Plus LCD outside and particularly the openings for air intake regularly.
- Repairs may only be performed by persons who have been trained by IDEAL.
- A bi-metal switch disconnects the main power when overheated. Set the main switch to off and put the tool on its stand to let it cool down. After approx. 30 minutes, the Heat Elite Plus, LCD will work again.

WARRANTY AND SERVICE POLICY

Each unit is warranted to be free from defects in materials and workmanship under normal use and service for a period of 12 months after the date of purchase. The obligations of IDEAL under this warranty shall be limited to repairing at the Sycamore, Illinois manufacturing facility any unit which shall, within the 12 month period, be returned to us with the transportation charges prepaid, and with our examination shall disclose to our satisfaction to have been defective. This warranty shall not apply to any model which has been altered or repaired outside the factory in any way so as to affect its operation nor which has been subject to misuse, negligence, accident or installed or operated in any other way than in accordance with our instructions, nor shall this warranty extend to repairs or replacement made necessary by the use of accessories not recommended by IDEAL.

IDEAL INDUSTRIES, INC.

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