

# LE1000

INDUCTION  
HEATING  
SYSTEM



## USER MANUAL

**IMPORTANT:** Read these operating and safety instruction before using the induction heating system.

# CONTENTS

Page 2	Kit contents
Page 3	Safety Instructions
Page 4	General use
Page 5	Operation - Coil
Page 6	Operation - Rope
Page 7	Cleaning

# KIT CONTENTS

- 1 x Induction Heat System Unit with cable and handset trigger attached.



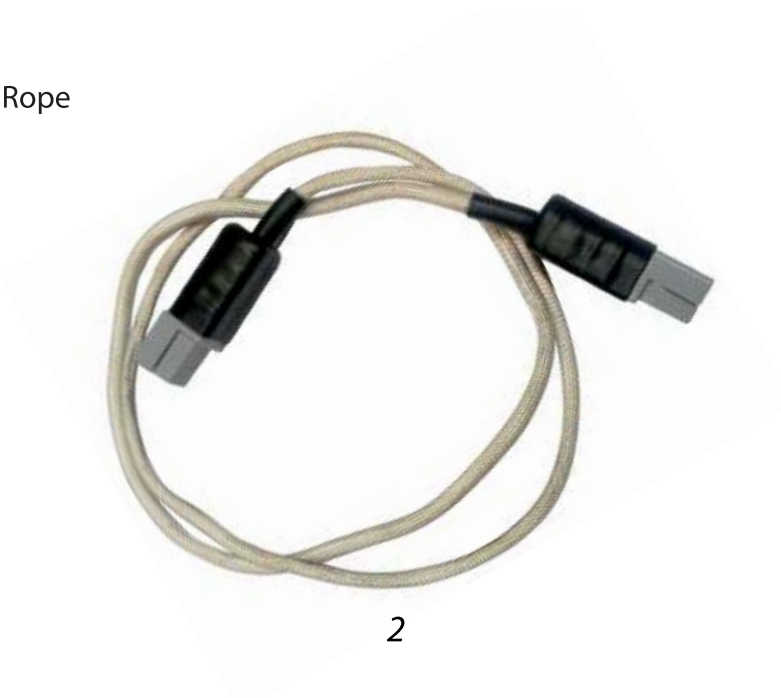
- 1 x Mains Lead



- 1 x Standard Inductor Coil (20mm)



- 1 x Inductor Rope



# SAFETY INSTRUCTIONS

**IMPORTANT:** Carefully read the following safety instructions as incorrect handling and operation of the Inductor Heating System can result in serious injury to yourself and bystanders, fire and permanently damage the equipment.

- i The Induction Heat System Unit should only be used by skilled personnel.
- ii Ensure there is fully charged fire extinguisher within reach when operating the Induction Heat System.
- iii Keep the Induction Heat System away from with water. Do not immerse in water.
- iv **Cardiac Pacemakers & Metal Surgical Implants.** DO NOT operate the Induction Heat System or use within 6 feet of someone if they have a cardiac pacemaker or metal surgical implants.
- v Remove all metal items such as jewellery, body piercings, watches, belt buckles, money etc.
- vi DO NOT USE ON NONFERROUS METALS such as copper or aluminium.
- vii Do not operate the Induction Heat System whilst under the influence of drugs, alcohol or medication.
- viii Ensure the main unit is within usable distance of operation. Do not pull the unit with the cable. Do not overstretch during operation, maintain a proper footing and balance.
- ix Do not operate the Induction Heating System within close proximity of an airbag.
- x Be aware of clothing with metal components in their manufacture. These may be heated by the induction process and cause serious burns.
- xi Always wear safety goggles.
- xii Take precautions against noxious fumes from components being heated. If necessary, wear suitable breathing equipment.
- xiii Wear heat resistant gloves during operation of the Induction Heating System.
- xiv Do not use the Induction Heating System on or in close proximity to metal containers or pressurised containers containing gases, fuels, paints or liquids.
- xv Do not use the Induction Heating System if the main cable or coil insulations have been damaged or worn through.
- xvi Ensure there is sufficient air flow around the main unit to maintain cooling.
- xvii DO NOT attempt to repair or service the Induction Heating System.
- xviii If the thermal trip activates, place the trigger handset in a safe place close to the main unit. Keep the system turned on and allow to cool for at least 15 minutes before attempting to use again. If the thermal trip continues to activate, contact your local supplier.

# GENERAL USE

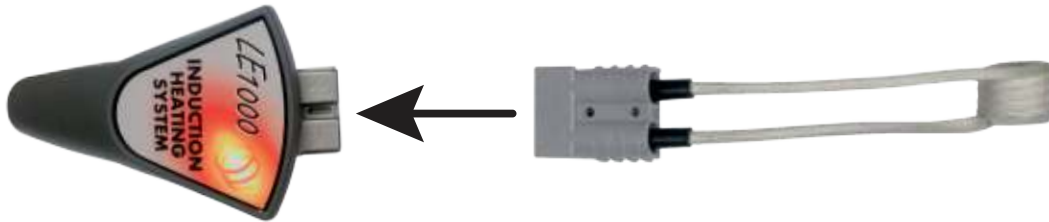
The Induction Heating System is designed to work with a 240 - 250 AC power supply. If using a generator, care must be taken to ensure a regulated power supply, otherwise damage can occur to the unit which will not be covered by the warranty. It is not recommended to use with a DC to AC inverter.

The general duty cycle is 4 minutes on 2 minutes off. However, this does depend on induction usage and can vary. If the red operation LED does not illuminate when the trigger is depressed, this means that the Thermal Cut-out has triggered and the unit needs to cool down for at least 15 minutes. Leave the unit turned on while it is cooling, but place the trigger handset in a safe place near to the main unit. DO NOT touch the Inductor Coil as it may have residual heat from the components being heated.

DO NOT attempt to manufacture your own coils. The coils supplied are specifically designed and manufactured to match the components of the Inductor. The use of third party or home-made coils can damage the Inductor Unit and will void your warranty.

# OPERATION - COIL

1. Connect the mains lead to the unit then to the power supply.
2. Switch on the Induction Heating System.
3. Select the required inductor coil and connect to the trigger handset. Do not depress the trigger at this point.



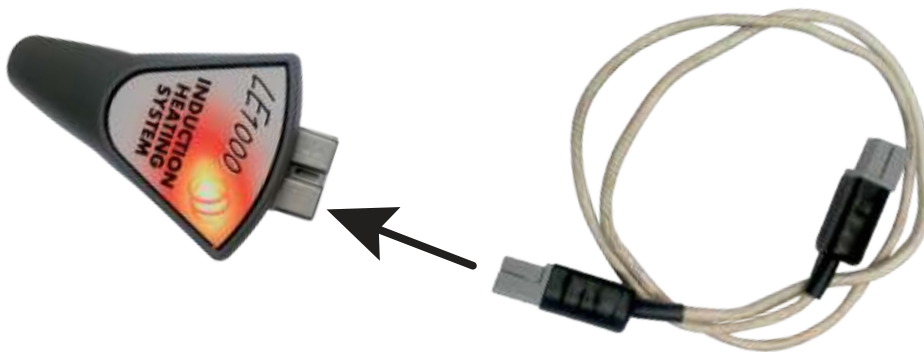
4. Place the coil around the component that needs heating. Depress the trigger on the handset until the component is heated. The amount of time this takes depends on the component size and material.



5. Once the component is heated, place the trigger handset in a safe place near to the base unit. DO NOT touch the coil/rope as it may have some residual heat that has transferred from the component.
6. Leave the unit turned on for a few minutes to allow the internal components to cool. Then switch off and return the Induction Heating System to its box, cleaning first if required.

# OPERATION - ROPE

1. Connect the mains lead to the unit then to the power supply.
2. Switch on the Induction Heating System.
3. Connect one end of the rope to the trigger handset. The connector will only fit one side of the handset. Do not depress the trigger until the rope is fully fitted and located in the correct position around the component.



4. Wrap the rope around the component that requires heating no more than 4 times. Connect the loose end of the rope to the handset. Depress the trigger on the handset until the component is heated. The amount of time this takes depends on the component size, material and the number of coils. DO NOT make more than 4 loops of the rope as this creates a large power drain and can cause serious damage to the equipment.



5. Once the component is heated, place the trigger handset in a safe place near to the base unit. DO NOT touch the rope as it may have some residual heat that has transferred from the component.
6. Leave the unit turned on for a few minutes to allow the internal components to cool. Then switch off and return the Induction Heating System to its box, cleaning first if required.

# CLEANING

Unplug the unit from the power supply before cleaning. Use a dry, clean nonabrasive cloth or paper towel to remove grease, oil and other dirt from the Inductor and components. For stubborn stains use a non-solvent cleaner such as an interior dash board cleaning solution. Allow to dry before returning the unit to its box.

DO NOT immerse the unit or any of its components in water.

DO NOT clean with steam cleaners, power washers or hoses.

DO NOT clean with flammable liquids or solvents.

DO NOT attempt to dry the unit or any of its components using heat guns, space heaters, torches, ovens, microwaves or other such devices.

Incorrect cleaning will void all warranties.