

Operating Instructions

INTRODUCTION

Thank you for purchasing the T 2445 30W Soldering Iron – a great beginning solution for your soldering equipment needs! We believe that you will be more than satisfied with the many features and the versatility of your new soldering device. Applications include: Radio controls, hobbies and crafts, small electrical parts, PCBs, wires.

Before using the soldering iron inside, please carefully read the instruction manual and observe all warnings and instructions for safe operation. Failure to follow all instructions here listed may result in electric shock, fire, or serious injury. Retain the instructions for future reference.

PRODUCT DESCRIPTION

The unit has a slender soldering iron pencil design with a comfortable rubber grip that prevents operator fatigue. The soldering iron is and is connected to the mains power via a burn-resistant approved power cord.

SPECIFICATIONS

Input:	240Va.c. 50Hz Class I
Output:	30W
Temperature Range:	400°C to 450°C
Heater:	Mica Insulated (Natural) [Minimal smoking 1st usage]
Length:	230mm
Weight:	150g

PRODUCT



BOX CONTENTS:

-Soldering iron and stand / holder

Accessories (not Included):

-Spare tips available T 2446-48

WARNING:

1. Operate this iron in a well ventilated area.
2. Do not tap the tip heavily in attempting to remove solder build-up.
3. Do not use it for non-soldering applications.
4. Do not disassemble the iron.
5. Only use recommended replacement parts e.g. tips.
6. Please turn off the power when you have finished using it.
7. This tool must be placed on its stand when not in use.
8. Do not immerse in water.
9. Before cleaning the unit, always remove the power lead plug from the socket. Unscrewing the housing is not permitted.
10. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
11. Children should be supervised to ensure that they do not play with the appliance. Failure to observe this safety regulation could result in a risk to life and limb. The manufacturer or supplier shall not be liable for damage resulting from misuse of the unit or unauthorised alterations.

30W Micron Soldering Iron

T 2445

CAUTION:

DO NOT WORK ON LIVE CIRCUITS

Before working on any mains powered equipment, make sure that it is turned off, and the mains plug is removed from the power point. You must not undertake work on live parts.

DO NOT USE IF DAMAGED

If the power lead becomes damaged or seems faulty, discontinue use immediately. Seek the assistance of an authorised service technician at the place of purchase to fix anything damaged.

HIGH TEMPERATURES

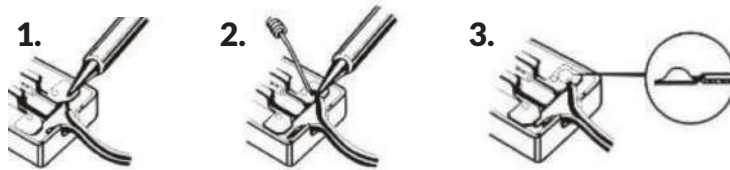
Soldering irons operate at high temperatures and can easily burn the skin and/or objects. Do not touch the tip and heater at any time and keep it a safe distance from inflammable materials while the unit is on, or while cooling after switching off. Please allow a sufficient time for it to cool before changing tips.

MAINTENANCE AND GENERAL CLEANING:

If supply cord is damaged in anyway it must be replaced immediately, to avoid a hazard. Only a service agent or suitably qualified person must carry out this work.

The iron may be cleaned with a damp cloth using small amounts of liquid detergent. Never submerge the iron in liquid or allow any liquid to penetrate the case.

HOW TO SOLDER:



Prior to soldering remove any dirt, rust or paint on the part you wish to solder.

1. Heat the part with the soldering iron.
2. Apply rosin-based solder to the part and melt it with the soldering iron. Note: When using non-rosin-based solder, be sure to apply a soldering paste to the part before applying the solder.
3. Wait for the solder to cool and harden before moving the soldered part.

CAUTION:

- Handle the heated soldering iron with extreme care, as the high temperature of the iron can cause fires or painful burns.
- The first time you use the soldering iron, it may smoke slightly as the heating element dries out. This is normal and should only last for approx. 10 minutes.
- Never file the specially-plated tip.



DO NOT FILE TIP

TIP REPLACEMENT AND DRESSING:

Note: Tip replacement or cleaning should only be done when the iron is at room temperature.

The tip can be changed or replaced by unscrewing the knurled nut barrel assembly. It is essential that the iron is switched off and allowed to cool before and after this operation, as damage may result if the iron is left on without the tip inserted.

After removing the tip, blow out any remaining oxide dust that may have formed in the tip retaining area of the barrel. Care should be taken to avoid getting dust in your eyes. Replace the tip and tighten the knurled nut barrel assembly using only hand pressure. Pliers should only be used to tighten the nut if loosening occurs when the iron is hot. Care should be taken not to over tighten the nut, as this may damage the element.

COMMON CAUSES OF TIP UNWETTING (solder not taking):

- The tip working surfaces are not well tinned while the iron is idling.
- Lack of flux in soldering, wicking, repairing, and touch-up operation etc.
- Wiping tip on a high Sulphur content sponge, dirty or dry sponge, and/or rag.
- Contact with organic materials such as plastic resins, silicone grease and other chemicals. 6. Impurities in solder and low tin content.

Remember to tin all new tips before use. For tip first time use, the tip should be tinned immediately after switching on and warm up of the tip.

- Always keep tips tinned before returning to the holder, switching off or storing for any period of time. Wipe only before using.
- Don't keep iron set at a high temperature for long periods of time as this will break down the surfaces of the tip.
- Don't put any excessive pressure on a tip or rub a tip on a joint. It does not improve the heat transfer but only damages the tip.
- Never clean the tip with abrasive materials or a file.
- Don't use a flux containing chloride or acid. Use only rosin or activated resin fluxes.
- If any oxide does form, it can be cleaned by lightly rubbing with a 600-800 grit emery cloth, or cleaning with isopropyl alcohol or equivalent. After cleaning, wet the tip and wrap rosin-core solder completely around the newly exposed surfaces.