

protech

Soldering Station 48W

HOBBYIST

Temperature Controlled



User Manual

TS1564

WORKING TEMPERATURE:

Soldering at the correct temperature is very important to ensure perfect solder connection. If the temperature is too low the solder will not flow correctly and will cause cold solder joints. If the temperature is too high the flux will be burned and not allow the solder to flow. High temperature can also cause damage to the PC Board and other sensitive components. The most common solder wire is 60% tin, 40% lead (60/40). A common tip working temperature of 60/40 solder is as below

- Melting point..... 419°F (215°C)
- Normal operation.....419°F-572°F (215°C - 300°C)
- Production line operation608°F-716°F (320°C - 380°C)
- Desoldering operation for small joint..... 599°F (315°C)
- Desoldering operation for larger joint 752°F (400°C)

CARE OF THE TIP:

The tip supplied is plated copper and will last a long time. Please observe the following conditions;

- Always keep the tip tinned before switching off or storing for any period of time, wipe only before use.
- Do not keep the iron set at a high temperature for long periods of time as this will break down the surface of the tip.
- Never clean the tip with a file or coarse abrasive materials.
- If, however, an oxide film does form on the tip, it can be cleaned by lightly rubbing with a 600-800 grit emery cloth, isopropyl alcohol or equivalent. Once this is done, immediately reheat and re-tin the tip to prevent further oxidation.
- If used continuously, remove the tip and clean every twenty hours, or at least once a week. Also, remove any loose build up that may appear in the barrel.
- Do not use fluxes containing chlorides or acids. Use only rosin or activated resin fluxes.
- Do not use any anti-seize materials or compounds on the wettable surface of the tip.

MAINTENANCE:

The Temperature Controlled Soldering Station must be placed on the stand when not in use.

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

TIP REPLACEMENT AND DRESSING:

Tip replacement or cleaning should be done only when the iron is at room temperature. The tip can be changed or replaced simply by unscrewing the knurled nut barrel assembly. It is essential that the station be switched off and allowed to cool before and during this operation, as damage may result if the system is left on without the tip inserted. After removing the tip, blow out any oxide dust that may have formed in the tip retaining area of the barrel. Care should be exercised 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.

GENERAL CLEANING:

The outer case of the iron or station may be cleaned with a damp cloth using small amounts of liquid detergent. Never submerge the unit in liquid or allow any liquid to enter the case of the station. Never use solvents to clean the case.

WARRANTY INFORMATION

Our product is guaranteed to be free from manufacturing defects for a period of 12 Months.

If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose. This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by:

Electus Distribution

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